

# NetApp Syncsort Integrated Backup

## What's New

### New Feature Information for NetApp Syncsort Integrated Backup and Syncsort BEX

The latest versions of NetApp Syncsort Integrated Backup (NSB) and Syncsort BEX use the BEX 3.4 software release. This release is available immediately as a Early Availability release, provided to all new and select current customers under the supervision of Syncsort technical support. A General Availability (GA) release for all customers is scheduled for Q2/2011 and will add additional product features as indicated in individual items below. A release history of version 3.2 updates is also included.

### NSB/BEX 3.4 Release

FEATURE	DESCRIPTION	BENEFIT
<b>Application Support</b>		
Microsoft SharePoint 2007 and 2010	Data protection support is added for Microsoft SharePoint 2007 and 2010	<p><b>Advanced SharePoint Support</b></p> <p>Users can now easily and reliably protect SharePoint environments, whether single servers or extended SharePoint farms. Recovery can be at the level of physical server, database, site and individual item(s).</p> <p><i>Note:</i> SharePoint 2007 support is available now. SharePoint 2010 will be supported in the GA release.</p>
<b>Virtualization Enhancements</b>		
Rapid Return to Production	Creates a Virtual Machine from a snapshot while transferring data in the background to a new VMDK	<p><b>Speeds Virtual Machine Creation and Migration Process</b></p> <p>Rapid Return to Production (RRP) can save hours or even days when creating or migrating virtual machines. RRP allows a VM to be quickly brought on-line using a snapshot. Data is then transferred in the background to a full VMDK on primary storage. By leveraging VMware Storage Vmotion, operations are switched from the snapshot-based VM to the new, fully populated VMDK without the need for any VM downtime.</p>
Linux support	Adds Full and Instant Virtualization support for the Linux OS	<p><b>Extends Key Recovery/Migration Feature to Linux</b></p> <p>The ability to rapidly restore any backup as a virtual machine, or to migrate physical system backups to VMs, is extended to the Linux operating system. This delivers significant new value to end users.</p> <p><i>Note:</i> Linux support will be part of the GA release.</p>

**OS Support**

Windows 7

Data protection support is added for Windows 7 (64 bit) clients

**Extends OS Support**

Allows users to extend all NSB/BEX advanced data protection and recovery features to 64-bit Windows 7 clients.

Note: Windows 7 support will be part of the GA release.

Red Hat Enterprise Linux (RHEL) 5.5 and CentOS 5.5.

Data protection support is added for RHEL and CentOS 5.5 clients.

**Extends OS Support**

Allows users to extend all NSB/BEX advanced data protection and recovery features to RHEL and CentOS 5.5 clients.

The previous release of NSB/BEX, version 3.2, included multiple feature updates via patches over the course of the release. Following is a release history of version 3.2. All features listed below are also included in the 3.4 release.

**NSB/BEX 3.2 August 2010 Patch Release**

FEATURE	DESCRIPTION	BENEFIT
<b>Application Support</b>		
SQL 2008 R2 Support	Data protection support is added for Microsoft SQL Server 2008 R2.	<b>Extends Application Support</b> Extends BEX support to the latest Microsoft SQL Server platform.
<b>Hardware OS Support</b>		
NetApp ONTAP 8.0 support	Adds support for NetApp ONTAP 8.0 on backup storage target.	<b>Extends Support and Improves Scalability</b> Allows BEX users to make use of increased scalability on the NetApp platform provided by ONTAP 8.0.
<b>Tape Enhancement</b>		
LT05 drive support	BEX adds support for LT05 tape drive technology.	<b>Improves Scalability and Performance</b> Allows BEX users to take advantage of the increased tape speed and capacity of LT05.

**NSB/BEX 3.2 July 2010 Patch Release**

FEATURE	DESCRIPTION	BENEFIT
<b>Application Support</b>		
Exchange 2010 Support	Data protection support is added for Microsoft Exchange 2010.	<b>Extends Application Support</b> Extends BEX support to the latest Microsoft Exchange platform. Includes support for Exchange Mailbox Recovery tool (EMBR) for item-level Exchange recovery.

## NSB/BEX 3.2 June 2010 Patch Release

FEATURE	DESCRIPTION	BENEFIT
<b>Virtualization Enhancements</b>		
vSphere 4.1 Support	NSB/BEX Virtualization supports vSphere 4.1, including ESX 4.1 and ESXi 4.1.	<p>Optimize Performance &amp; Return on Investment</p> <p>Extends BEX Virtualization to the latest VMware platform, enabling users to leverage the latest VMware functionality for greater performance, maximizing overall virtualization return on investment</p>

## NSB/BEX 3.2 May 2010 Patch Release

FEATURE	DESCRIPTION	BENEFIT
<b>Virtualization Enhancements</b>		
P2V Storage Alignment	Ensures that virtual machine storage blocks are aligned with underlying disk storage.	<p><b>Enhanced VM Performance</b></p> <p>When physical systems are migrated to virtual machines, there may be a misalignment between the storage blocks at the OS level and the physical disk storage. This can cause significant performance degradation. BEX P2V migration makes sure all storage alignment is correct, ensuring optimal performance.</p>

## Base NSB/BEX 3.2 Release

FEATURE	DESCRIPTION	BENEFIT
<b>Platform Support</b>		
vSphere 4.0 support	BEX Virtualization supports vSphere 4.0, including ESX 4.0 and ESXi 4.0.	<p><b>Optimize Performance &amp; Return on Investment</b></p> <p>Extends BEX Virtualization to the latest VMware platform, enabling users to leverage the latest VMware functionality for greater performance, maximizing overall virtualization return on investment.</p>
Windows 2008 R2 X64 support	NSB/BEX 3.2.1 Master Server, Advanced Recovery Server, Client and Device Server can run on Windows 2008 R2.	<p><b>Improve Scalability &amp; Reliability</b></p> <p>Extends BEX coverage to Microsoft's latest server operating system allowing users to protect Windows 2008 R2 systems and take advantage of enhanced scalability and reliability.</p>
Red Hat Enterprise Linux (RHEL) 5.4 and CentOS 5.4.	NSB/BEX 3.2.1 Master Server and Client can run on Red Hat Enterprise Linux 5.4 and CentOS 5.4.	<p><b>Extends OS Support</b></p> <p>Extends BEX coverage to current Red Hat Enterprise Linux CentOS kernels.</p>
SUSE Linux Enterprise Server (SLES) 10 SP3	NSB/BEX 3.2.1 Master Server and Client can run on SUSE Linux Enterprise Server 10 SP3. Support also added to BEX 3.1.1 release.	<p><b>Extends OS Support</b></p> <p>Extends BEX coverage to current SUSE Linux service pack update.</p>

**Virtualization Enhancements**

DHCP support	IP addresses of newly created virtual machines can be obtained dynamically from any DHCP server.	<b>Simplify Management</b> Simplifies creation of virtual machines using BEX Virtualization process saving administrators time during the recovery process. Integrates better with user's networking standards, simplifying management.
Optional on or off status for new VMs	A virtual machine can optionally be powered on automatically as soon as it is created or left in an off state.	<b>Simplify Management &amp; Expedite Recovery</b> Provides more flexibility in preparing for DR scenarios. VMs can be created ahead of time as stand-by systems to be used in the event of a system loss, reducing operational error and speeding time to recovery, thereby limiting the financial impact of data loss.
Use latest backup for recovery	A virtualization restore job can be set to always use the most recent backup instance.	<b>Simplify Management &amp; Expedite Recovery</b> Ensures that the most up-to-date data is used when creating a virtual machine for recovery or other purposes. Simplifies management and speeds time to recovery.

**Bare Metal Recovery Enhancement**

Enhanced support for dissimilar hardware	Bare Metal Recovery (BMR) to a server using hardware different from the source server is now supported on Linux, SPARC Solaris and Solaris Intel x 64.	<b>Simplify &amp; Ensure Successful Recovery</b> Simplifies recovery and enhances success of restore operations by eliminating the need for identical physical hardware to recover a full system. Complements existing support for Windows.
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**Data Encryption Enhancements**

Expanded software encryption support	Software encryption support added for Windows x 64 based servers.	<b>Improve Security</b> Extends software-based tape encryption to 64-bit Windows servers, allowing use of more powerful CPUs to expedite computationally intensive encryption tasks.
Expanded hardware encryption support	Hardware data encryption support added for HP LTO4 and Quantum LTO4 tape drives.	<b>Improve Security</b> Leverages tape-drive based data encryption for widely used HP and Quantum LTO4 tape drives, enhancing compatibility with user tape environments.

**About NetApp**

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. NetApp's passion for simplicity, innovation, and customer success helps companies around the world go further, faster. To learn more about NetApp please visit [netapp.com](http://netapp.com).



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**About Syncsort**

Syncsort is a global software company that helps the world's most successful organizations rethink the economics of data. Syncsort provides extreme data performance and rapid time to value through easy to use data integration and data protection solutions. With over 12,000 deployments, Syncsort has transformed decision making and delivered more profitable results to thousands of customers worldwide.

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