

# Backup Express Release 3.1

## Technical Specifications

Syncsort Backup Express is the only enterprise data protection software that reduces storage, bandwidth and CPU requirements, while enabling server and site recovery in just minutes. It provides fast server backup, reliable disaster recovery and business continuity for physical and virtual environments.

Features described in this document may be optional separately licensable components. For details contact your Backup Express representative.

For current information about operating system, file system, and hardware compatibility, see the Backup Express Supported Technologies web page at:

[www.syncsort.com/SuppTech](http://www.syncsort.com/SuppTech)

### **BEX Advanced Recovery Technologies**

BEX Advanced Recovery provides near-continuous data protection with a single enterprise-wide solution. The capabilities of Advanced Recovery enable comprehensive disk-to-disk, disk-to-tape, and disk-to-disk-to-tape enterprise protection.

Advanced Recovery technologies exploit image-based block-level-incremental backup technology. Only allocated, changed blocks are backed up, dramatically reducing backup and restore time, especially for very dense file systems containing millions of small files. Advanced Recovery backups access the source disk directly, bypassing the file system, with virtually no impact on other operations, and does not require additional software for open file support. Syncsort's Advanced Recovery eliminates the need for a "backup window" and dramatically reduces backup elapsed time, CPU load, network traffic, and destination storage requirements.

BEX Advanced Recovery is comprised of the following two solutions:

- **BEX Advanced Recovery (Open Storage)** provides high-performance, image-based backups to disk-based storage hosted on Windows 2003 (r2) x64 or Windows 2008 x64 servers (BEX Advanced Servers) and provides fast, reliable file-level recovery. A BEX Advanced Server supports direct, SAN, SCSI, or iSCSI-attached storage. (A highly reliable configuration is recommended.) A BEX Advanced Server supports source data from Windows 2000/XP/2003/2008/Vista x86/x64, Sparc Solaris 9/10 (UFS and VxFS), Solaris 10 Intel x64 (UFS and VxFS), Linux Red Hat (v4, 5) x86/x64, or SLES 10 x86/x64 clients.
- **BEX Advanced Recovery (SnapVault)** provides high-performance, image-based backups to disk-based Network Appliance (NetApp) secondary storage and provides fast, reliable file-level or block-level recovery. BEX Advanced Recovery (SnapVault) supports source data from Windows 2000/XP/2003/2008/Vista x86/x64, Linux Red Hat (v4, 5) x86 and x64, or SLES 10 x86/x64 clients. NetApp Advanced

Single Instance Storage (A-SIS) deduplication is supported with ONTAP 7.3 and higher.

BEX Advanced Recovery include the following features:

- **Virtual volume snapshots** on the destination disks enable fast point-in-time recovery and reduces disk storage space. All backup instances on the destination disks are full backups virtualized from a baseline backup and subsequent incremental backups. This feature is supported for all BEX Advanced Recovery clients (BEX Advanced Clients).
- **BEX Instant Availability** provides rapid temporary access to data and applications stored on BEX Advanced Servers or SnapVault secondary systems. Instant Availability eliminates the need for data transfer and provides immediate access to data on the destination host, including Exchange 2003/2007, SQL Server 2000/2005 and Oracle 10g/11g. Once Instant Availability is activated, destination storage volumes appear as local, fully accessible (read/write) drives. Files on the destination disk are transparently available to users. Users can easily copy from an Instant Availability drive to a drive on the local node. Instant Availability is supported for all BEX Advanced Recovery Windows clients and for Sparc Solaris 10, Solaris 10 Intel x64, Linux Redhat (v5) x86 and x64, and SLES 10 x86/x64 clients.
- **BEX Virtualization** enables you to create a virtual machine on Windows from a backed up instance. Backup Express employs two distinct types of virtualization jobs, Full Virtualization and Instant Virtualization. Full Virtualization jobs create a new virtual machine which contains a duplicate of the functional volume. Instant Virtualization jobs iSCSI-map data stored on the source instance to the virtual node and do not physically transfer data to the virtual machine. BEX Virtualization only creates virtual machines for machines running under Microsoft Windows operating systems. BEX Virtualization is supported only when the master server is run on a Linux, Solaris, or Windows platform. BEX supports VMware ESX virtual controllers. Virtualization on NFS/CIFS volumes is not supported.
- **BEX Bare Metal Recovery** provides high performance, disk-based, bare metal disaster recovery capability using BEX Advanced Recovery backups. BEX Bare Metal Recovery streamlines the recovery process, significantly reducing downtime when a root volume or operating system is inoperable. Depending on recovery needs, BEX Bare Metal Recovery can restore the operating system, system settings, partition information, applications, and data — all in a fraction of the time required by manual methods. BEX Bare Metal Recovery provides the ability to directly utilize publicly available or vendor supplied drivers. BEX Bare Metal Recovery is supported for all BEX Advanced Clients. For Windows, BEX Bare Metal Recovery supports driver installation; recovery to dissimilar hardware; VMware; and dynamic disk configurations, including boot and system

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disks. USB boot is supported for Windows, Linux, and Solaris.

- BEX Advanced Recovery support for **Microsoft databases** enables high-performance, disk-based backup and recovery of Exchange 2000/2003/2007 and SQL Server 2000 (SP2 and later)/2005 (SP2 and later)/2008. Syncsort's Advanced Recovery application interfaces integrate with Microsoft APIs and are aware of Exchange and SQL Server. Microsoft Volume Shadow Copy Service is utilized to back up Exchange and SQL Server for Windows 2003 nodes. This feature is supported for most Advanced Recovery Windows clients.

Backup and restore of Exchange 2003/2007 and SQL Server 2000/2005/2008 on clusters are supported with BEX Advanced Recovery. Cluster failover during BEX Advanced Recovery backup and restore operations is not supported.

MS Exchange Cluster Continuous Replication (CCR) is supported for all Windows BEX Advanced Clients.

For BEX Advanced Recovery, backup and restore of Exchange 2007 is supported with an equivalent feature level as Exchange 2003, including cluster support. Features exclusive to Exchange 2007 may be supported.

Microsoft SharePoint 2007 is supported through SQL Server.

**BEX Exchange Mailbox Recovery.** A wizard facilitates fast MS Exchange message searches and individual Exchange mailbox or message restore.

- BEX Advanced Recovery support for **Oracle** enables high-performance, disk-based backup and recovery of Oracle 10g/11g. Database "cloning" on an alternate node, which involves duplication by way of BEX Instant Availability is supported; RMAN cataloging is supported as well. Advanced Recovery support for Oracle is supported for all BEX Advanced Clients. Backup and restore of Oracle on clusters is not supported for BEX Advanced Recovery.
- **Inline, offline, or deferred verification of BEX Advanced Recovery application backups** (SQL server, MS Exchange, Oracle) is available, along with integration of the verification tool offered by these applications.
- **Applications not natively supported** by BEX Advanced Recovery may be supported in conjunction with pre-snapshot and post-snapshot scripts.
- **BEX Replication** provides the ability to replicate snapshots from one BEX Advanced Server to another on a scheduled basis. This additional disk-based protection can be included in disaster recovery site and remote office data protection strategies.
- **BEX Archive** provides seamless additional backup from a disk-based BEX Advanced Server to tape. If the data hosted on the BEX Advanced Recovery is unavailable for any reason during recovery operations, a Backup Express restore job automatically proceeds with recovery from tape to the original restore destination. Backup schedule, backup definition, and retention settings specific to BEX Archive backups are supported. For BEX Archive, a tape library or tape device must be connected by SCSI, iSCSI, or Fibre channel to a device server node supporting Backup Express Advanced Data Agent. It is recommended that it be the BEX Advanced Server node. Robotic arm control is supported. BEX Archive is supported for all BEX Advanced Clients.

- **Remote site protection and disaster recovery site maintenance** are supported through scheduled, secured, block-level-incremental backups across the WAN.
- **Checkpoint Restart** enables retries of an interrupted Advanced Recovery backup to resume from the last successfully backed up data block. Checkpoint Restart is supported for BEX Advanced Recovery (SnapVault) clients.

## Other Advanced Technologies

- **Backup Express management of NetApp SnapVault and NetApp OSSV** provides seamless file backup from filers and other primary systems to NetApp disk-based storage devices. Support for NetApp OSSV provides backup of Windows, AIX, HP-UX, SGI-IRIX, Solaris, and Red Hat Linux. (For Windows, BEX Advanced Recovery (SnapVault) is recommended.)
- **VMware virtual machine backup and recovery** are supported through a 2-pronged, integrated business continuity solution. Backup Express fully supports VMware's implementation of VCB, including auto-discovery of virtual machines, and also offers an Advanced Recovery solution for virtual machines hosting critical applications or data.
- **Enhanced Snapshot** supports logical open file backup for both clustered and non-clustered nodes. Snapshot functionality is controlled through the Backup Express management console, which provides job-level options. Snapshot is available for NetWare 6.5, NetWare Open Enterprise Server, and Windows NT/2000/XP/2003/2008/Vista through the Backup Express open file facility.
- **BEX Image** provides high-performance, image-based full, incremental, or differential block level incremental backups to tape or disk, and provides fast, reliable file-level recovery. BEX Image supports source data from 32-bit or 64-bit Windows 2000/XP/2003/Vista and Solaris 9/10 with UFS, including sparse files.
- **SAN Resource Sharing (SRS)** allows Backup Express to attach machines (Windows, UNIX, Linux, NetWare, and Novell OES and OES2 servers, plus NDMP-compliant filers) to tape devices in a Fibre Channel or iSCSI SAN environment and dynamically share tape drives.
- **NDMP support** allows high-speed local, remote (three-way), filer-to-filer, filer-to-server, and server-to-filer backup of NDMP compliant filers and appliances. It supports file history, Direct Access Recovery (DAR), incremental backups, and user-supplied environmental variables.
- High-performance **concurrent processing** backs up multiple volumes simultaneously to multiple drives. Backup at the node or node group level simplifies job definitions. Volumes added to a NetApp FAS system can be automatically backed up without modifying job definitions. NetApp FAS systems can be browsed like any other node to select items down to the directory level for backup. Restore display is volume-centric; displayed volumes can be expanded to display all backups for each volume.
- **Direct Access Recovery (DAR)** with NDMP directly accesses specific files at recovery, eliminating multiple tape loading and

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streaming, and reducing time for recovery from tape to filer by up to 98%.

- **Cluster support** for Backup Express on Windows, Tru64, OES and OES2 ensures dependable backups of 32-bit and 64-bit cluster nodes. NetWare clusters are supported for 32-bit nodes. Backup Express supports Exchange and SQL Server failover in active-active or active-passive cluster environments.
- **Novell NetWare, OES, and OES2 support** provides the ability to run SLES and Linux Open Enterprise Server on the Backup Express master server and provides comprehensive support for NetWare, OES and OES2 NetWare, as well as OES and OES2 Linux on clients, device servers, and clusters, including mixed cluster support for NetWare, OES, and OES2. Backup Express protects NDS/eDirectory and GroupWise on NetWare, OES and OES2 NetWare, and OES and OES2 Linux through Novell Storage Management Services (SMS). Novell Storage Services (NSS) volumes, including NSS metadata, can be backed up from and restored to any combination of NetWare, OES and OES2 NetWare, and OES and OES2 Linux, as supported by Novell. Open File backup for NetWare and OES NetWare utilizes the native NetWare snapshot driver.
- **Concurrent processing** supports concurrently running backup jobs, minimizing elapsed time, particularly when the jobs are large. In addition, backup and restores are performed concurrently between a single node and multiple devices and between multiple nodes and multiple devices. Concurrency allows linear tape sets to be restored from multiple drives in parallel. Data backed up concurrently from multiple sources to a single drive (multiplexed backup) can be restored quickly.
- **Reconstructive restore** optionally restores a file system to an exact point in time.
- **Windows 2000/2003 extended support** includes System State backup and restore; System Table (Event Viewer, Terminal Services, RSM, and WMI) support; NTFS file security and open file restores; backup and restore of User Profile or its components; Single Instance Storage (SIS) and Remote Storage support. System State and System Table are supported for File mode and BEX Advanced Recovery backups and restores in Windows 2003/Vista x64 and x86 environments.
- Backups and restores of UNIX ACLs and NetWare Server Specific Information is supported.

## Media and Device Management

For standard Backup Express operations, devices and media are efficient, flexible, and easily managed.

- Tape migration feature provides the ability to copy and append backed up data from one media volume to another of the same or dissimilar type. This is especially beneficial for migration of virtual tape library (VTL) to physical tape and for migrating backup-to-disk jobs to tape.
- Tape library and VTL control is simplified through drag-and-drop library operations among tape slots, drives, and import/export ports.

- The Early Drive Release option immediately releases for other jobs any unused drives and drives allocated to suspended jobs. Optimized device selection, in conjunction with the Early Drive Release option, prioritizes drives based on a local SAN path and media availability.
- Devices on a SAN can be automatically SCSI-reserve/released. This feature is supported for Windows, NetWare, Novell OES and OES2, Solaris, HP-UX, OSF, and Linux.
- Tape library management, including labeling concurrently on multiple devices with barcode support, is automated. Long barcodes and automatic on-the-fly tape labeling are supported.
- Data can be written concurrently to an unlimited number of tape drives anywhere on the network. Distributed backup processing reduces server I/O bottlenecks.
- Large files and partitions can be split across multiple devices concurrently to reduce both backup and restore times.
- A job definition can specify a minimum number of available drives required for a backup job to begin. Separate tape pools and device clusters can be defined for base, incremental, and differential backups.
- Alternate media pools supply tapes automatically when the primary pool does not have free tapes.
- Centralized device monitoring displays device status in real time in the management console.
- Backup Express writes backup data to tape using System Independent Data Format (SIDF) to ensure universal readability and cross-product standardization.
- Backup-to-Disk on Windows, NetWare, Novell OES and OES2, Solaris, Linux, Tru64, HP-UX, AIX, and filers is supported.

## Administrative Features

Day-to-day operation of Backup Express can be fully automated and requires little administrative intervention. The product's intuitive management console, logical design, and enterprise-wide support reduces the need for extensive training.

- Administrative functions such as defining backups, scheduling jobs, running management reports, and monitoring jobs are centralized.
- The Backup Express scheduler enables creation of complex backup schedules and provides a shortcut for scheduling rudimentary Base/Incremental or Base/Differential schemes. Jobs can be scheduled to run many times in the same day. Tape retention is settable as part of backup job scheduling.
- Administrator configuration utilities allow you to easily assign role-based privileges and resources to administrators and sub-administrators.
- Backup Express single catalog enables central control with distributed recovery. Scheduled catalog maintenance optimizes catalog searches and minimizes disk space usage. Advanced techniques dramatically speed condense operations and reduce catalog space requirements. The catalog remains available for other catalog activities during most Backup Express operations including any catalog backup job or catalog condense job.

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Outdated backups are deleted as part of the normal catalog condense.

- The Backup Express management console is tab-based, provides flexible control of all functions, and can be launched on most supported platforms. Remote or offsite login is available.
- Multiple function windows can be open simultaneously if desired. This makes it possible to run, manage, and monitor functions in parallel, including multiple device functions, tape library operations, backup and restore jobs, and Help.
- Real-time job monitoring at a glance or in detail is provided. Multiple jobs are monitored concurrently. The interactive job monitor allows running tasks to be easily cancelled, provides the ability to suspend in-progress Backup Express jobs and later resume them, to review the job definitions, and to easily manage job logs.
- Backup Express reporting package, including BEX Reporter, provides sophisticated real-time monitoring of backup and restore jobs, system usage, storage trends, and more. VMware virtual machine usage, statistics, and trends are also available.
- The Backup Express twinning option creates two sets of backups simultaneously, eliminating the need for separate tape duplication for offsite vaulting.
- Complete information on the location, status, and contents of all storage volumes, onsite or offsite, is provided.
- Tuning parameters, environmental variables, and other Backup Express properties are easily managed, displayed, and modified through a simple user interface that is accessed from the Backup Express management console.
- Management console appearance and report formats are easily customizable. Reports are provided in formats that are easy to print or import to spreadsheet or database applications.
- List filtering provides a convenient way to shorten and tailor long lists that may appear on some Backup Express windows. List filtering is available for the following Backup Express windows: Catalog Job Functions, Configure Media, Job Monitor, Job Review, and Streamlined Job Monitor.
- A context-sensitive, fully-indexed, searchable Help facility is provided.
- The library of Backup Express user manuals is installed on the master server and accessible to all TCP/IP-enabled management console workstations through the Start menu.
- To facilitate troubleshooting, Backup Express log information is unified, centralized, and, via the Backup Express management console, easily managed, collected, and interpreted.
- Easy license usage lookup by an administrator via the Backup Express management console is provided.

## Security Features

Encryption, verification, privileging, and tracking all help assure data and process security.

- Data encryption on tape is available. Assignable keys are used to derive actual encryption keys for data-encrypted Backup Express jobs. Keyring information is recorded along with an encrypted

backup instance on a tape volume, so Backup Express knows which key to use for restore. Data encryption is a user-controlled job option which applies to file backup, raw backup, and duplicate jobs. This feature is supported for 32-bit Windows 2000/XP/2003, 32-bit Linux 2.4 x86 (32-bit), Linux 2.6, Linux x64, and Sparc Solaris 5.8+.

- Data encryption on the network is available for file backups and raw backups.
- Hardware data encryption for IBM LTO-4 drives is supported.
- Backup Express commands and messages on the network are encrypted to avoid interference or intrusions.
- Firewall requirements are well-integrated.
- Enhanced enforcement of password policies is provided.
- Backup Express provides extra assurance of accurate block level backups by providing two layers of backup instance verification for BEX Advanced Recovery. First, backup instances are automatically verified at the time of the backup by way of “checksums” on a randomly selected set of change blocks. Second, a user-initiated verification procedure thoroughly checks the integrity of the entire image. Verification helps with security, compliance, and disaster recovery planning and adds robustness and confidence to the data protection process.
- Three optional levels of general verification – verify readability, verify tape headers, or verify checksums – are provided.

## Flexible Technologies

Backup Express is designed to meet the needs of rapidly changing, complex networks.

- Administrators of complex networks can back up and restore Windows versions 2000/XP/2003/Vista, UNIX, Linux, NetWare, Novell OES and OES2, and Mac OS X clients plus NDMP-compliant filers with a single data protection product.
- Storage devices can be distributed anywhere in your enterprise: LAN, SAN, or WAN.
- The Backup Express catalog can be located on Windows, UNIX, Linux, or OES Linux with the ability to switch platforms.
- Administrators can back up and restore at all levels: file, directory, application, disk, raw partition, node, node group, and enterprise.
- Frequent Advanced Recovery file transfers serve as routine file backups, disaster recovery backups, and everything in between. Recovery can be done at the logical or physical level.
- The image restore tree is viewable in a variety of ways. Instance View lists the directories and files backed up in a backup instance. Merge View lists all files backed up in a given directory within the browse date range.
- For BEX Advanced Server storage, any direct, SAN, SCSI, or iSCSI-attached disk array can be used. Depending upon the importance of the data or applications being backed up, you can choose high-quality, medium-grade, generic, or JBOD storage, or a combination.
- Support for multiple platforms and vendors, including NetApp SnapMirror-to-Tape, allows users to leverage the latest in storage hardware.

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## Deployment Features

Installation, upgrades, and updates are simplified through distributed deployment and resource detection.

- InstallShield-based interface simplifies Windows local installation and upgrade. InstallAnywhere-based interface simplifies Netware and OES NetWare installation and upgrade.
- Distributed deployment on most Windows nodes installs multiple clients and device servers across the enterprise from a single machine.
- Device Configuration Wizard automatically detects and configures devices for most platforms at installation or any time thereafter.
- Setting up Backup Express to work with Windows, NetWare, or Novell OES clusters is done with a simple wizard.
- Administrators can specify node grouping during or after installation.
- Client upgrades of the management console are simplified because the console is Web-deployed from the Backup Express master server. When the master server is upgraded, clients immediately access the new management console over the network.
- Through the new Software Update System, administrators are automatically notified of Backup Express software updates. Administrators have the option to run fully automated downloads and remotely deploy the updates to some or all enterprise nodes.
- Catalog Merge Utility allows users to transfer job information from a backed up Backup Express Catalog to a live Backup Express Catalog, where both catalogs were created on the same operating system. This utility facilitates (a) rebuilding catalog entries for expired jobs or (b) merging catalogs from different Backup Express Enterprises.

## Application Interfaces

Backup Express interfaces intelligently with many application and database products by utilizing native APIs.

- The NDMP interface allows backup and restore of Network Attached Storage (NAS) appliances or filers.
- The Direct Oracle interface for 32 and 64-bit Oracle 8.x and higher uses the RMAN API to ensure backup integrity.
- The certified SAP R/3 interface backs up SAP databases on Oracle.
- The MS SQL Server interface allows online backups of SQL Server 6.x, 7.x, 2000, and 2005 and supports point-in-time restores. Microsoft SQL Server databases can be restored to a location different from the backup source, such as a fresh SQL Server installation in a new directory.
- MS Exchange 5.5 and Exchange 2000/2003/2007 interfaces allow online backups with restore granularity at the store, database, individual folder, and message levels. Exchange 2007 CCR is supported with Backup Express file mode (with the latest Exchange service pack).
- The Lotus Notes/Domino interface, for version 5.0 and higher, provides seamless backups and supports point-in-time restores on

Solaris, Windows 2000/XP/2003/2008, AIX 4.3 and higher, and Linux 2.2 and higher.

- The DB2 interface allows online backups using IBM DB2 Universal Database on Solaris, Windows NT and higher, AIX 4.3 and higher, and Linux 2.2 and higher. DB2 v9 and higher is supported on AIX 5.3 and higher.
- The Sybase interface allows online backups of Sybase databases on Solaris and Windows.
- The Novell GroupWise interface enables backups of GroupWise databases via SMS for GroupWise 6.5 and higher.
- Novell NDS/eDirectory support includes incremental NDS backups for eDirectory 8.7 and higher, and Open Enterprise Server.
- The SharePoint Portal Server interface backs up SharePoint Portal Server 2001/2003/2007 and Microsoft Windows SharePoint Services on Windows 2003 Server.
- The SQL-BackTrack interface enables online backups of Informix databases.
- The SNMP interface lets Backup Express work in conjunction with network management software.
- ACSLS and Library Station interfaces from StorageTek, the DAS interface for Quantum (formerly ADIC) AMLs and SDLC, and the IBM Magstar 3494 Library Manager interface permit tape library sharing between open systems and mainframes. ACSLS is supported with IBM AIX.

## Requirements/Compatibility

- Industry standard storage devices on Windows, UNIX, Linux, NetWare, and Novell OES are supported.
- Backup Express is certified with virtually all automated libraries, independent of media type.
- Backup Express is certified with most SAN, NAS, disk, library, switch, and operating system vendors.
- Backup Express supports most storage media, including 4mm, DDS, DAT72, 8mm, AIT, SuperAIT (SAIT), Mammoth, Ecix VXA, vs80, DLT, SDLT, LTO, 9840x, 9940x, QIC, Sony DTF, Magstar, and IBM 348x/349x/35xx.
- Backup Express supports all major automated tape libraries, including ADIC, Compaq, Cybernetics, Dell, DSM, Exabyte, GRAU Data Storage, HP, IBM, Overland Storage, Qualstar, Quantum/ATL, Seagate, Sony, Spectra Logic, StorageTek, and Sun.
- Silos for major automated libraries, including ADIC, EMASS, IBM, and Sun StorageTek are supported.
- BEX Advanced Server supports direct, SAN, SCSI, or iSCSI-attached disk storage.
- Master servers are supported on 32-bit Windows 2000/2003 32-bit, Windows 2003 x64, UNIX, and Linux, including OES2 and OES Linux.
- Standard backup/restore operations support numerous clients, including UNIX (AIX, HP-UX, Solaris, SunOS 5.4 and higher, Tru64, SGI IRIX, Linux, SCO, DG-UX, NCR), NetWare 6.x, Mac OS X (including Leopard), Novell OES, and Windows 9x/2000/XP/2003/2008/Vista.

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- All SnapVault and OSSV operations require NetApp secondary and primary licences. SnapVault support requires NetApp Data ONTAP release 6.5 or higher.
- 64-bit operating system and application support includes:
  - IA64 and x64 for Linux (2.6 kernel) on Backup Express master server, device servers, and clients.
  - IA64 for HP-UX on Backup Express master server, device servers, and clients.
  - x64 for Windows 2003 on Backup Express master server, device servers, clients, clusters, and BEX Advanced Recovery applications (Exchange 2000, 2003 and 2007, SQL Server 2000 and 2005, Oracle 9i, 10g, and 11g).
  - x64 for Windows 2008 on Backup Express master servers, device servers, and clients.
  - IA64 for Windows 2003 on Backup Express device servers and clients.
  - 64-bit OES2 on Backup Express clients, device servers, and master servers.

For current information about operating system, file system, and hardware compatibility, see the Backup Express Supported Technologies web page at:  
[www.syncsort.com/SuppTech](http://www.syncsort.com/SuppTech)

This document is subject to change as features and capabilities are added or modified.

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