

Veritas NetBackup™ 6.5 Clients and Agents

The Veritas NetBackup Platform—Next-Generation Data Protection

Overview

Veritas NetBackup provides a simple yet comprehensive selection of innovative clients and agents to optimize the performance and efficiency of your backup and recovery environment. These clients provide high-performance, online backup and recovery of business critical databases and applications, enable backup and recovery operations over storage networks, and deliver high levels of data security and complete system-level recovery. Organizations can centrally manage all aspects of backup and recovery operations from an intuitive graphical user interface (GUI), allowing consistent data protection policies to be established across the enterprise regardless of the type and number of clients deployed.

Depending on your needs, Veritas NetBackup has flexible client options to fit your environment and your budget.

Standard Client	Enterprise Client	Application and Database Pack
<ul style="list-style-type: none">• NetBackup Client• Bare Metal Restore• Client Encryption	<ul style="list-style-type: none">• SAN Media Server• SAN Client• Snapshot Client• VMware VCB	<ul style="list-style-type: none">• All databases• All applications (excludes SAP)*

* The SAP agent is sold separately; it is not a part of the database pack.

Figure 1. Veritas NetBackup can be deployed as a Standard Client or Enterprise Client. For critical applications and databases, Veritas NetBackup has a simplified/all-in-one database and application pack.

Standard Client

NetBackup 6.5 introduces a new client package called the Standard Client which contains key NetBackup components such as the NetBackup Client, Bare Metal Restore, and Client Encryption.

- **NetBackup client**—The NetBackup client resides on the same server as the application, database, or files that are being protected and sends data to a NetBackup server for protection or receives data during a recovery.

- **Bare Metal Restore**—The NetBackup Bare Metal Restore functionality provides all the files and services necessary to perform system recovery, including the ability to perform diskless network booting, temporary OS installation, and disk configuration. This feature boasts a complete system recovery time of approximately 15 minutes on any platform.
- **Client Encryption**—Data is encrypted at the source/client to provide a very high level of data security while in transit over the network and on storage media. Client Encryption is ideal for protecting smaller, yet dedicated clients and databases. It supports a variety of encryption algorithms, including 128-bit and 256-bit and legacy 40-bit and 56-bit encryption methods.

Enterprise Client

NetBackup 6.5 introduces a new client called the Enterprise Client, which combines all of our advanced capabilities in one easy package. When you purchase the Enterprise Client, the Standard Client is included.

- **SAN Media Server**—The NetBackup SAN Media Server is designed for customers who would prefer to utilize their Storage Area Network (SAN) for backup operations instead of their Local Area Network (LAN). The NetBackup SAN Media Server enables LAN-free data protection with high-performance access to shared resources.
- **SAN Client**—The SAN client offloads backup traffic from the LAN and allows for fast backups over the SAN at approximately 150MB/sec. The SAN client can send data to a variety of our new disk options and allows you to back up and restore to disk over the SAN. Data is sent to media servers via SCSI commands over the SAN rather than TCP/IP over the LAN to optimize performance. SAN Clients are supported on all major platforms.



- **Snapshot Client**—NetBackup Snapshot Client enables low-impact backup and recovery for databases and applications. By enabling users to leverage a variety of software or hardware snapshot capabilities, this client can greatly reduce the amount of data being transferred during backup and recovery as well as dramatically improve backup performance and recovery time for mission-critical databases and applications.
- **VMware Consolidated Backup (VCB)**—This innovative NetBackup integration with VCB enables a single backup of VMware images to deliver granular file-level recovery or full image-level recovery, reducing both the time and cost of VMware data protection.

Database protection

Oracle®

The Veritas NetBackup Oracle Agent is tightly integrated with the Oracle Recovery Manager (RMAN) to deliver a high performance backup and recovery solution. This online high-performance backup and recovery solution for Oracle environments also includes Oracle Real Application Clusters (RAC). The real value Veritas NetBackup brings to Oracle environments is its ability to integrate archiving capabilities as well as deliver advanced snapshot techniques enabled by the NetBackup Snapshot Client.

Product highlights

- Online/hot Oracle backups for ultimate protection
- Integration with NetBackup Snapshot Client, offering ultimate flexibility when using snapshot methods
- Use of NetBackup for media management and RMAN script generation (via the wizard)

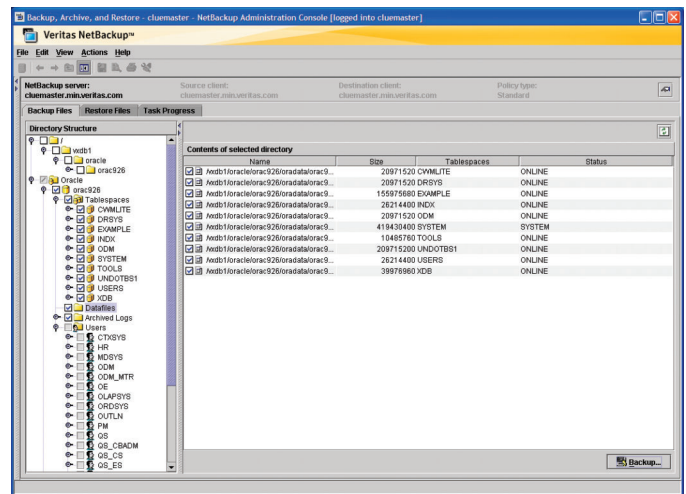


Figure 2. NetBackup Administration Console

Microsoft SQL Server

Veritas NetBackup for Microsoft SQL Server delivers comprehensive data protection for SQL Server and SQL Server databases. It provides the performance and flexibility required for effective backup and recovery operations within large SQL Server environments.

Product highlights

- **High-speed recovery**—Faster recovery, as only damaged pages are recovered. Verify-only restores can be used to verify the SQL contents of a backup image without actually restoring the data.
- **Point-in-time recovery**—Recovers SQL databases to the exact point in time or transaction log mark by rolling forward only the transactions that occurred prior to a user-specified date and time.
- **Granular database view**—Display of database object properties provides backup and recovery flexibility.

IBM® DB2® UDB Universal Database

NetBackup software works with IBM DB2 native backup and recovery utilities to protect DB2 databases and archive logs. Backup and recovery operations may be performed

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either locally or remotely, and organizations can centrally manage all aspects of backup and recovery for database and nondatabase files from the intuitive NetBackup GUI. Veritas NetBackup offers unprecedented techniques for protecting DB2 databases—from integrated block-level backup and recovery to instant recovery via the NetBackup Snapshot Client.

Product highlights

- **Flexible backup options**—Supports online full or incremental database backup and backup of archive logs via the user exit program.
- **Scheduling facilities**—Leverages the NetBackup scheduler for automated, unattended DB2 backups.
- **Wizard-based configuration**—Performs step-by-step configuration of DB2 backup and recovery via an intuitive, graphical, wizard-based interface.

IBM Informix Dynamic Server

Veritas NetBackup software provides complete data protection for IBM Informix Dynamic Server and IBM Informix Extended Parallel Server running on many of today's popular operating platforms. NetBackup, in conjunction with the Informix ON-Bar utility, provides a methodology to help ensure that business-critical Informix applications are safely backed up and can be recovered quickly.

Product highlights

- **Continuous logical log backup**—Configure automated logical log backup to help prevent logical logs from filling up and locking up the database server.
- **Flexible backup options**—Back up and restore at the dbspace, blob space, and logical log file level.
- **Parallel backup and restore**—Run more than one tape device at a time for a single Informix backup or restore, helping to reduce the time necessary to complete the operation.

Sybase®

Veritas NetBackup for Sybase offers high-performance backup and recovery for Sybase Adaptive Server Enterprise (ASE) databases on leading UNIX and Windows platforms.

Product highlights

- **Powerful scheduling**—Schedule automatic, unattended full or incremental backups.
- **Parallel backup and recovery**—Veritas NetBackup for Sybase supports the parallel backup and restore capabilities of the Sybase ASE Backup Server. This permits the user to run more than one tape device at a time for a single Sybase ASE backup or restore, helping to reduce the time necessary to complete the operation.
- **Track backup history**—Detailed views of backup history simplify restores, as backups of databases and transaction logs are easier to track.

Application protection

Microsoft Exchange Server

Symantec recognizes the need for nondisruptive mechanisms to protect Exchange data, along with all data in the enterprise. Veritas NetBackup for Microsoft Exchange helps provide the performance and flexibility required for effective backup and recovery operations within large Exchange based environments.

Product highlights

- **Retain snapshots for instant recovery**—When combined with the Veritas NetBackup Snapshot Client, Exchange snapshots can be preserved as backup copies.
- **Online backup**—Complete, nondisruptive protection of Exchange database and mailbox components, including mailbox-level backup.
- **Flexible restore options**—Rapid, granular recovery of databases and mailboxes, including support for performing individual message restores.



Microsoft SharePoint Portal Server

Veritas NetBackup for SharePoint Portal Server extends the capabilities of NetBackup to include online backups and restores of a Microsoft SharePoint Portal Server installation.

Product highlights

- **Individual document recovery**—Enables database recovery and document-level restore from the same backup image.
- **Easy to use**—One console can be used to protect SharePoint and Windows services. Includes server farm configuration and single sign-on for databases.
- **Automated backup**—Schedules can be set for automatic, unattended backups for local systems or for remote client systems over the network.

IBM Lotus Notes and Lotus Domino server

Symantec offers high-performance backup and recovery for Lotus Notes and Lotus Domino server with Veritas NetBackup for Lotus Notes. Administrators can leverage intuitive GUIs to help set consistent backup policies across the enterprise and to quickly identify critical Lotus® files or databases when they need to be restored.

Product highlights

- **Backup method flexibility**—Support for scheduled, unattended backups; manual backups; and user backups, which allow end users to back up and restore pre-specified Lotus data

- **Alternate restoration techniques**—With backups not tied to a specific backup server, NetBackup software can restore Lotus data either on an alternate system or in an alternate directory.
- **Advanced Lotus integration**—Support for partitioned Lotus servers and Lotus clustering.

SAP

The integration of Veritas NetBackup for SAP NetWeaver with the SAPDBA administrative interface, along with the BR backup and recovery commands, provides a solid, SAP NetWeaver-centric data protection solution for customer-specific configurations on the UNIX, Windows, and Linux® platforms.

Product highlights

- **Centralized backup operations**—Centralized management dramatically reduces the cost of backing up large SAP environments.
- **Oracle RMAN support**—Leverage Oracle RMAN benefits when protecting SAP NetWeaver using Oracle.
- **Flexible implementation**—Perform database operations through NetBackup, or use the SAP Tools (SAPDBA interface) independently of NetBackup.

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Database and Application Support

Database or Application	Veritas NetBackup Agent Support ¹							Complementary Solutions ¹	
	HP-UX®	HP® Tru64	IBM AIX®	Linux	Microsoft Windows	SGI® IRIX	Sun™ Solaris™	NetBackup Encryption	NetBackup Snapshot Client
IBM DB2	✓		✓	✓	✓		✓	✓	✓
IBM Informix	✓	✓	✓			✓	✓	✓	
IBM Lotus Notes			✓	✓	✓		✓	✓	
Microsoft Exchange Server					✓			✓	✓
Microsoft SharePoint Portal Server					✓			✓	
Microsoft SQL Server					✓			✓	✓
Oracle	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAP	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sybase	✓	✓	✓		✓	✓	✓	✓	

¹ For the latest software and hardware compatibility information, please see the Compatibility Lists at <http://www.support.veritas.com> or contact your Symantec sales representative or authorized Symantec reseller

More information

Visit our Web site

<http://enterprise.symantec.com>

To speak with a Product Specialist in the U.S.

Call toll-free 1 (800) 745 6054

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For specific country offices and contact numbers, please visit our Web site.

About Symantec

Symantec is a global leader in infrastructure software, enabling businesses and consumers to have confidence in a connected world. The company helps customers protect their infrastructure, information, and interactions by delivering software and services that address risks to security, availability, compliance, and performance. Headquartered in Cupertino, Calif., Symantec has operations in 40 countries. More information is available at www.symantec.com.

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