

Symantec NetBackup™ 5200 Data Sheet

NetBackup 5200 appliance from Symantec enables easy expansion of existing NetBackup environments while reducing the overall backup storage footprint with the built-in deduplication option.



Overview

NetBackup 5200 from Symantec offers NetBackup customers a turnkey option to expand their NetBackup deployments to meet the growing data protection needs of their organizations.

The built-in deduplication option reduces the size of the backups by up to 50X and reduces bandwidth utilization of backups by up to 99% versus traditional backup approaches. The appliance easily fits into existing NetBackup environments, and can be managed via the NetBackup OpsCenter management console.

Product Highlights

- **Easily fits into existing NetBackup environments**—easily expand existing NetBackup environments, no separate management required
- **Support for all major platforms and applications**—platform and application support same as core NetBackup software
- **Reduction in storage**— Decrease storage 10-50x with also a 99% reduction in bandwidth consumption

- **32 TB of deduplication capacity per appliance**—protect several hundred terabytes of data
- **Built-in deduplication**— built-in inline source or media server deduplication
- **Operational simplicity**—Setup in a matter of minutes with pre-installed NetBackup
- **Tape support**—write data to tape for long term data retention
- **Reliable hardware platform**—Telco grade hardware with system availability > 99.95%

Operational Simplicity and Easy Integration

The NetBackup 5200 comes pre-installed with the NetBackup media server functionality, and can be setup and integrated into existing NetBackup deployments in a matter of minutes. The appliance can be easily managed via an existing instance of the NetBackup OpsCenter management console. Symantec provides end to end technical support for the appliance, reducing operational overhead on IT teams.

Built-In Client and Media Server Deduplication

NetBackup 5200 offers a choice of deduplicating data at the client or at the media server. Removing redundant data as close to the source as possible maximizes the benefits of deduplication. NetBackup client deduplication removes redundant data at the source, which leads to lower CPU, I/O, and memory utilization compared to a traditional backup, freeing up more client resources for production services. Client deduplication can deliver up to 10x faster backups. For client machines that do not have sufficient CPU cycles for deduplication, the deduplication processing can be moved to the NetBackup 5200 appliance. The ability to choose the type of deduplication (client or media server) at the backup policy level allows the backup admin the

flexibility to setup deduplication based on the type of data being protected.

Storage and Bandwidth Efficient Backups

With built-in deduplication technology, NetBackup 5200 appliance eliminates the backup of duplicate data offering storage savings of up to 50X. This allows for cost efficient long term retention of data on disk, resulting in faster and more reliable backup and recovery of data. The source deduplication option eliminates duplicate backup data at the source making the backups more bandwidth efficient as well.

Tape Support

NetBackup 5200 provides a tape out option via a gigabit dual channel fiber channel host bus adapter. This option is ideal for organizations that wish to use a hybrid approach for data protection consisting of disk and tape backups.

Reliable Hardware Platform

The NetBackup 5200 appliance is built on Telco grade hardware. The Telco industry hardware guidelines ensure that the appliance:

- Operates reliably and properly in adverse environmental conditions;
- Is easily serviceable;
- Has no negative effect on other service providing equipment;
- Does not cause harm to the environment or personnel.

This translates into lower hardware failures and higher availability rates.

Inline and Post Process Deduplication

The appliance supports both inline and post process deduplication. The disk subsystem on the appliance can be partitioned as dedupe or non-dedupe storage or a combination of the two. When used in a combination mode, backups can be sent to the non-dedupe partition for fastest possible backups. The non-dedupe partition acts as

a staging area for the backups. The backups can then be moved to the dedupe partition during off peak hours for maximum storage optimization. This feature is especially useful for users that are looking to solve the problem of backup windows and backup storage growth via one single backup solution.

Hardware Monitoring and Call Home Feature

The NetBackup 5200 appliance provides monitoring of key hardware components such as CPU, disks, power supply modules, fans, RAID groups and fibre channel HBA cards. Additionally, the product performs periodic monitoring of these components and notifies the hardware administrator of faulty events. The hardware monitoring feature makes sure that your backup environment is working at top efficiency, allowing you to anticipate needs before they become issues.

The call home feature keeps a watchful eye on a multitude of preset conditions and maintains a history of the product's health on Symantec's Call Home server. This hardware history is available to the Symantec Global Support Center to use while assisting with support cases, providing useful context to help resolve issues in a time efficient manner.

Platform and Application Support¹

All core NetBackup software agents can be utilized with the NetBackup 5200 appliance. NetBackup agents optimize the performance of critical databases and applications, including IBM DB2, Informix, Lotus® Notes and Lotus Domino® Server, Microsoft Active Directory, Microsoft Exchange Server, Microsoft SharePoint® Portal Server and Microsoft Office SharePoint Server, Microsoft SQL Server, Oracle®, SAP®, Sybase®, and Symantec Enterprise Vault™.

¹. For more information, please refer to the NetBackup Clients and Agents Data Sheet

Hardware Specifications

Key Specifications	
Total Usable Capacity Per Node	32 TB
Total Raw Capacity Per Node	48 TB
Performance Throughput	10.5 TB/hour
Power Consumption	<550W
Cooling Requirement	<1,877 BTU/HR
Operating Temperature	+5C to +35C (+41F to +95F)

Each node is a 4U device with Dual Intel E5620 CPUs, 32 GB RAM, system disks configured in RAID 1, data disks in RAID 6, Dual Hot Spare Disks for RAID1 and/or RAID 6, LSI disk management, 2 x Gig E ports, 2 x10 Gig E ports, LC Optical connection, 2x 4 GB Fibre Channel ports, redundant power supply, redundant fan modules, hot pluggable disk and power entry modules

Dimensions

Height- 6.9 inches, Width-17.3 inches, Depth- 27 inches

Weight

Fully Loaded System Weight = 43.1 Kg (95 lbs)

Power

100 V to 127 V; 200 V to 240 V, 47 Hz to 63 Hz

Operating Temperature

+5C to +35C (+41F to +95F)

Non-Operating (Transport) Temperature

-30C to +60C (-22F to 140F)

Operating Humidity

5% RH to 85% RH

Operating Noise

65.8 dBA

Operating System

Linux Operating System provided by Symantec

Management

Management through existing NetBackup GUI

Protocol Standards Followed

SAS, SATA, PCI, PCIe, IPMI, SNMP

Safety and EMC Standard Compliance

UL 1950, UL 60950, LVD Directive 2006/95/EC, EN 60950, FCC, 47 CFR Part 15, Subpart B, EMC Directive 2004/108/EC, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3

More Information

Visit our website

<http://enterprise.symantec.com>

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