

solve



VERITAS NETBACKUP™ APPLIANCE FAMILY

OVERVIEW BROCHURE



VERITAS NETBACKUP™ APPLIANCES

Veritas understands the shifting needs of the data center and offers NetBackup appliances as a way for customers to simplify deployment and maintenance of the market-leading NetBackup software¹.

Eliminate the time and effort of installing, configuring, and maintaining your backup and disaster recovery hardware and software components with Veritas NetBackup Appliances.

When it's time to upgrade or expand the backup or disaster recovery hardware infrastructure, many customers follow a traditional path to acquire, build, and integrate their own servers and storage; or look to point products. It is a reflex that is well known, but also one with hidden productivity costs.

In addition, many customers find themselves with multiple backup products in their environment. What started as a good idea with a single point product has evolved to multiple, disparate point products, including dedupe storage silos. This has resulted in increases in both cost and complexity. Veritas NetBackup appliances enable consolidation of separate physical or virtual data protection products; and tape, disk or virtual tape libraries (VTL), into a single, unified data protection platform.

NetBackup appliances are ideal for customers looking for turnkey solutions for their organization. The appliances enable efficient, storage-optimized data protection for the data center, remote offices and virtual environments. Built on the strength of Veritas NetBackup software, these enterprise-class appliances continue to be among the leaders in the integrated purpose-built backup appliance (PBBA) market² offering both lower Total Cost of Ownership and higher levels of reliability.

WHY AN INTEGRATED APPLIANCE?

IDC has defined Purpose-Built Backup Appliance (PBBA) into two (2) different types³, target systems and integrated systems:

- **Target systems** are used in conjunction with third-party backup software and designed to integrate in heterogeneous environments.
- **Integrated systems** are tightly integrated with backup software to orchestrate the backup and movement of data.

When comparing target versus integrated systems, implementing an integrated appliance for backup and recovery can be a better solution for customers wanting to simplify IT tasks, increase productivity, and reduce operating and capital expenditure costs.

“Integrated PBBA solutions are highly tuned and provide customers a truly turnkey, simplified way to solve their backup and recovery challenges.”⁴ - IDC

WHY NETBACKUP APPLIANCES?

- **Industry-leading NetBackup software** – Pre-installed with NetBackup software to provide a comprehensive and integrated backup and storage solution for customers.
- **Scalable Architecture** – A flexible and scalable architecture enables NetBackup appliances to be deployed as an all-in-one backup server with intelligent end-to-end deduplication or in a configuration of multiple appliances (media servers) that can move hundreds of TB of data per day.
- **Ultimate virtual machine protection** – Built-in support for VMware vSphere™ and Microsoft Hyper-V®. Unlike some other solutions, the NetBackup appliances deliver off-host backups with no requirement for proxy servers thereby eliminating associated complexity, cost and resource overhead.
- **Intelligent End-to-End Deduplication** – NetBackup integrated appliances are the only single-vendor enterprise backup appliances that provide end-to-end deduplication—both source and target side.

NetBackup integrated appliances enable you to easily build and deploy your organization's backup and deduplication strategy for effective information management. Leverage this simple solution in your NetBackup environment to maximize IT staff time, operations and storage investment.

The Business Value of Integrated Appliances

- **One Integrated Solution**—Hardware, software, and support are all managed by Veritas. You won't need to unbox, load, install, test, manage, and support multiple solution elements such as a server, storage, operating system, backup software, and network connectivity. There's also no need to integrate with solutions from other suppliers. Equally important, both source and target deduplication is provided by one integrated solution. Veritas provides end-to-end technical support for the appliance. There is one phone number to call if you need assistance.
- **Cost Efficient**—NetBackup appliances can deliver immediate CapEx savings by consolidating multiple backup solutions with one platform, reducing the use of tape for backup and disaster recovery, and delaying or avoiding additional hardware purchases. Since common administrative tasks associated with installing, configuring, and supporting target dedupe storage system are eliminated, immediate and long-term OpEx savings can be realized. Finally, Veritas licenses the use of the appliances with a perpetual front-end capacity based licensing model. This approach can not only reduce the total cost of ownership when compared to other hardware-based deduplication appliances, but also provides customers with investment protection as their software licenses are transferable to either supported hardware platforms or future appliances.

“Some of our larger customers that chose our integrated appliances saved on average 45 percent of the costs associated with acquiring, procuring, and deploying a NetBackup server in the first year and on average 39 percent of ongoing maintenance and management costs.”⁵
- **Simple to Manage**—For existing NetBackup customers, there is no new interface to learn, the appliance delivers the familiar NetBackup administration console. Day-to-day monitoring of the appliance hardware requires minimal intervention from you which may also reduce operational costs. Veritas AutoSupport automatically

“ESG Lab confirmed that deploying the NetBackup 5230 Appliance was quick and easy. The Lab took the appliance from box to backup-ready in less than 25 minutes.”⁶

monitors key hardware components such as disks, memory, power supplies, and fans, and will open a support ticket and contact the customer in the event of a detected hardware problem. All hardware and software patches as well as software upgrades are controlled by Veritas and can be deployed in a few simple steps.

- **Fast Performance and Scalability**—NetBackup appliances have high backup and recovery performance via distinctive multidimensional scalability, and performance can be scaled to run tens of thousands of backup jobs per day (with multiple appliances). The ability to distribute both backup and deduplication processing to multiple media servers and clients and unique technologies like NetBackup Accelerator enable organizations to meet their service level agreements.
- **Flexible**—NetBackup appliances are compatible with existing software and can be mixed into an existing environment. No complex or disruptive migration process or time-consuming retraining is needed. The appliance supports source based and target-based deduplication, in-line or post-process deduplication, and virtual and physical environments.

“NetBackup is the most scalable backup & recovery solution”.⁷

- Principled Technologies

“Our appliance-based data protection approach will be a critical part of the agile data center infrastructure that will facilitate our build out of cloud services-both public and private.”⁸

Thousands of Veritas NetBackup customers have already embraced the value of our integrated backup appliances. With tens of thousands of appliances deployed in more than 60 countries, our approach to improving the end-to-end process for backup and recovery is making a positive impact on many organizations.

The NetBackup Integrated Appliance Family

THE VERITAS NETBACKUP INTEGRATED APPLIANCE FAMILY CONSISTS OF TWO SERIES:

NetBackup 5200 series – a versatile integrated backup appliance that can be deployed as a master server, or media server, or both, for a NetBackup domain. As an appliance it simplifies and offers OpEx savings over traditional build-your-own media servers.

Key Features

- Suitable for environments of any size—starting at 4TB and expandable up to 148TB of useable disk, it is ideal for remote offices, regional offices and enterprise data centers.
- Multiple functional roles—can be deployed as master server, media server or both for a NetBackup environment.
- Comprehensive—Backup solution with built-in deduplication. Veritas provides the software, hardware, services and support.
- Intelligent end-to-end deduplication—reduces the size of backups by up to 50 times and network bandwidth utilization by up to 99 percent, so you can backup and replicate faster.
- Flexible deduplication options—Deduplication at source, media server, or target; inline or post-process.

NetBackup 5300 series – an integrated backup media server with storage to support greater performance, capacity, and resiliency requirements.

Key Features

- Scalable capacity—starting at 114TB and expandable to 229TB it is designed for larger enterprises, data centers, and disaster recovery sites.
- Robust—greater performance compared to the NetBackup 5230: Up to 3X faster backup, 6.5X faster recovery, and 4.9X faster replication.
- Resiliency—enhanced system protection, deduplication pool, and storage. Enterprise-class hardware includes redundant hot swap components; RAID and disk controllers, power supplies, fan modules, and disks.
- Greater density – delivers more TB per rack unit (RU) which reduces floor space requirements and lowers power and cooling costs.

Save with NetBackup Integrated Appliances

KEY NETBACKUP APPLIANCE OPEX SAVINGS

- **Acquisition**—Eliminate ordering, approvals, scheduling, and delivery of separate media server components.
- **Installation and Integration**—Remove the hassle of installation, integration, testing, and performance tuning.
- **Administration**—Use one management console to perform multiple tasks.
- **Patching and Firmware Updates**—Reduce compatibility issues by no longer managing all the components for revision levels, firmware, and more.
- **Support**—Eliminate finger pointing among different component vendors if an issue occurs.

KEY NETBACKUP APPLIANCE CAPEX SAVINGS

- **Storage**—Reduce storage cost by replacing tape with Veritas intelligent deduplication.
- **Space**—Save valuable floor space by combining both the backup server and deduplication storage into one appliance.

NETBACKUP INTEGRATED APPLIANCES



	NetBackup 5230			NetBackup 5330
Use Cases	Media Server	Master Server	Media Server with Storage	Media Server with Storage
Usable Capacity (TB)	4TB or 14TB	4TB	4 - 148TB	114TB – 229TB
Random Access Memory (RAM)	64GB	128GB	128GB	384GB
Number of Concurrent Backup Jobs	120			500+

EXPANSION SHELF

Usable Capacity (TB)	24 or 36	114.6
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Refer to respective product data sheets for additional Technical and Environmental Specifications.

Footnotes:

1. Gartner: Market Share Analysis: Enterprise Distributed System Backup/Recovery Software Market, Worldwide, 2013.

2. IDC Worldwide Quarterly Purpose Built Backup Appliance Tracker – 2014 Q2, Publication Date: 9/18/2014.

3. IDC Market Analysis, Worldwide Purpose-Built Backup Appliances 2012 – 2016 Forecast and 2011 Vendor Shares, #234489, Robert Amatruda, April 2012.

4. IDC White Paper, The Evolution and Value of Purpose-Built Backup Appliances, #239730, Robert Amatruda, March 2013.

5. Assumes a 10 percent YOY backup server growth. Averages are based on approximately 140 enterprise customer studies by the Veritas Value Management Office. Individual results may vary, depending on size of company and volume of data.

6. ESG Lab Review Veritas NetBackup 5230 Appliance. The Enterprise Strategy Group, Date: December 2013. Author: Vinny Choinski, Senior Lab Analyst, and Kerry Dolan, Lab Analyst.

7. Veritas NetBackup 7.6 Benchmark Comparison: Data Protection in a Large-Scale Virtual Environment (Part 1) Analyst Report. Principled Technologies, July 2014

8. Integrated Swiss Army Knife: Six use cases for data protection appliances, CIO Digest, April 2013.

9. Veritas internal comparison done to NetBackup 5230 Backup Appliance

- Backup observed performance is based on 50 clients, 2 streams per client, 98 percent client deduplication.
- Recovery observed performance is based on 8 streams at 98% deduplication
- Replication observed performance is based on optimized duplication with backup; 128 streams, 98% deduplication.