

# NETBACKUP APPLIANCE VERSUS BUILD YOUR OWN MEDIA SERVER

## OVERVIEW

Through history, appliances have played a key role in improving productivity, increasing the quality of life, and most importantly, saving money. Whether in the home or in the enterprise, appliances save time, and time is money!



Veritas NetBackup 5240 Appliance

Veritas NetBackup™ Appliances are no different in that they save organizations time and money. Whether reducing the time to deployment of a media server or streamlining backup administration, NetBackup Appliances eliminate the cumbersome and time-consuming task of building your own media server in five key areas: acquisition, installation and integration, administration, patch and upgrades, and support.

Compare how Veritas NetBackup Appliances take the complexity out of backup servers, eliminating the need to build and manage your own backup server(s). The Veritas integrated purpose-built backup appliances eliminate complexity and return your staff's most valuable asset, time!

	NETBACKUP APPLIANCE	BUILD YOUR OWN MEDIA SERVER
<b>ACQUISITION</b>		
Ordering	A fully integrated, purpose-built backup appliance form factor makes ordering easy. And no assembly required.	Customer is responsible for ordering four (4) main components; hardware platform, Operating System (OS), backup software, storage, and supplemental components, such as NICs, HBAs, etc.
Host Operating System	Complete with Veritas Optimized Operating System (OS), preinstalled and performance-optimized for the hardware and backup software.	Customer must choose and purchase a supported OS: HP-UX®, Red Hat® Enterprise Linux, SUSE, or Windows®.
Review of Corporate Standards and Compatibility	A fully integrated purpose-built backup appliance eliminates compatibility issues.	Each component must be reviewed for vendor compatibility, and to ensure corporate standards are maintained.
<b>INSTALLATION AND INTEGRATION</b>		
Hardware Installation	A fully integrated and performance-optimized appliance includes; processors, storage, and internal components.	Customer is responsible for server, storage, and internal component(s) compatibility, installation, and testing.
Software Installation	Veritas Optimized OS and NetBackup software are pre-installed, fully integrated, and performance-optimized. Value-added software components like Veritas Storage Foundation™, Symantec™ Data Center Security, and Wide Area Networks (WAN) optimization driver are included at no additional cost.	Customer is responsible for OS and backup software installation and testing. Many customers do not include system protection or WAN optimization in their master/ media server.
Configuration	Both Veritas Optimized OS and NetBackup software are pre-configured and appropriately tuned for optimum performance.	Customer is responsible for configuration of all hardware, software, and internal components.
Symantec™ Data Center Security	NetBackup Appliances leverage Data Center Security to protect against zero-day attacks and malicious insider threats. The administrator can also utilize Data Center Security Host Intrusion Detection system for monitoring and auditing.	Customer is responsible for system protection and hardening the media server against attacks and threats, as well as detecting intrusions.

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<b>SYSTEM ADMINISTRATION</b>		
Administration	A single user interface to manage, configure, monitor, and report.	Multiple user interfaces are required to make simple changes as it affects OS, backup software, server, and storage.
Storage Pool Scalability	Scalable storage from 4 TB to over half a petabyte usable capacity. In media server role, it is possible to dedicate specific percentage for deduplication pool.	The storage pool is vendor dependent; a separate RAID array with sufficient capacity may be used.
Software Licensing	NetBackup front-end TB licensing allows unlimited replication, retention, and refresh of hardware. Software licensing is fully transferable to another NetBackup appliance or NetBackup media server.	Software licensing is managed independently for each component; OS, backup software, server, and storage.
Staff	The entire appliance may be managed by backup administrators or generalist IT staff with no additional software to install or maintain.	Separate subject matter experts (or multi-skilled expert) for backup software, OS, server, and Storage Area Network (SAN) storage. May include additional IT mandated applications for management and monitoring functions.
<b>PATCHES AND UPGRADES</b>		
Patching (OpEx Savings)	A single patch to update NetBackup software, Veritas Optimized OS, value-added software components, and firmware. End-to-end certification is done by Veritas.	Backup software, media server operating system, and hardware firmware are maintained separately and need to be verified for compatibility.
Storage Management	Dynamic volume management is enabled through Storage Foundation; preinstalled and preconfigured on NetBackup Appliance.	Requires its own Local Data Manager for storage management.
<b>SUPPORT</b>		
Vendor Support	Veritas provides single vendor support; one number to call.	Multiple vendors involved (OS, backup software, server, and storage) and often requires customer to perform problem determination.
Call Home/ AutoSupport	NetBackup Appliance Call Home and AutoSupport features are standard on all appliances.	No centralized Call Home feature. Separate call home for each hardware and software component, if offered.
SNMP and SMTP support	Built-in SNMP and SMTP support for alerts and notifications.	Separate configuration, third-party application needed for hardware alerts.
Redundant Hardware	NetBackup Appliances are built on enterprise class hardware, featuring redundant power supplies, fan modules, and hot pluggable data disks.	Vendor dependent: each component is independent and media server is only as reliable as the weakest component.
<b>ADDITIONAL FACTORS</b>		
SAN client Support	Built-in Fiber Transport media server which can be used for SAN Client Target.	Separate configuration and hardware adapters required.
Replication Support	Integrated appliance includes WAN Optimization: utilizes current WAN infrastructure for backups to cloud and replication by delivering up to 10x faster transfer rate.	Customer either uses standard replication over WAN or provides a hardware or software WAN accelerator.

## ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies LLC enables organizations to harness the power of their information, with solutions designed to serve the world's largest and most complex heterogeneous environments. Veritas works with 86 percent of Fortune 500 companies today, improving data availability and revealing insights to drive competitive advantage.

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