

Symantec NetBackup™ 5230 Appliance

NetBackup Appliance versus build your own media server

Data Sheet: Backup and Disaster Recovery

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 office, appliances save time, and time is money!

Symantec NetBackup™ Appliances are no different in that they save organizations 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 Symantec NetBackup™ 5230 Backup Appliance takes the complexity out of backup servers, eliminating the

need to build and manage your own backup server(s). The Symantec integrated purpose-built backup appliances eliminate complexity and return your staff's most valuable asset, time!



Symantec NetBackup 5230 with Expansion Shelf

Aquisition	NetBackup 5230 Backup Appliance	Build your own media server
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), NetBackup software, storage, and supplemental components, such as NICs, HBAs, etc.
Host operating system	Complete with a Symantec Appliance 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.

Installation and integration	NetBackup 5230 Backup Appliance	Build your own media server
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	OS and NetBackup software are pre-installed, fully integrated, and performance-optimized. Value-added software components like Veritas Storage Foundation™ from Symantec, Symantec™ Critical System Protection, and Wide Area Networks (WAN) optimization driver are included at no additional cost.	Customer is responsible for OS and NetBackup software installation and testing. Many customers do not include system protection or WAN optimization in their master/media server.
Configuration	Both 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™ Critical System Protection	NetBackup Appliances leverage Critical System Protection to proactively protect against zero-day attacks and malicious insider threats. The administrator can also utilize Critical System Protection 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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System administration	NetBackup 5230 Backup Appliance	Build your own media server
Administration	A single user interface to manage, configure, monitor, and report.	Multiple user interfaces are required to make simple changes as it affects OS, NetBackup software, server, and storage.
Storage pool scalability	Scalable storage from 4 TB to 72 TB 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, NetBackup 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 NetBackup, OS, server, and Storage Area Network (SAN) storage. May include additional IT mandated applications for management and monitoring functions.

Patches and upgrades	NetBackup 5230 Backup Appliance	Build your own media server
Patching (OpEx savings)	A single patch to update NetBackup software, appliance OS, value-added software components, and firmware. End-to-end certification is done by Symantec.	NetBackup 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.

Support	NetBackup 5230 Backup Appliance	Build your own media server
Vendor support	Symantec provides single vendor support; one number to call.	Multiple vendors involved (OS, NetBackup 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, Symantec OpsCenter can be used for NetBackup alerts, however third-party application needed for Hardware Alerts.
Redundant hardware	NetBackup 5230 is 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.

Additional factors	NetBackup 5230 Backup Appliance	Build your own media server
VMware backups	Virtual machine backups directly from the appliance, no proxy required.	Requires a Windows proxy server if using a non-Windows media server.
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 provide a hardware or software WAN accelerator.