

Veritas NetBackup 5340 Appliance.

High Availability Enterprise Backup Appliance.

OVERVIEW

Veritas NetBackup™ 5340 delivers high performance, scalable capacity, high availability and resiliency to address the most aggressive backup and recovery objectives in the data center while protecting both virtual and physical environments. Built on industry leading NetBackup software, the NetBackup 5340 Appliance is an integrated media server with storage and offers both client and target deduplication to reduce network bandwidth and storage capacity requirements. As an integrated backup appliance, it addresses the OpEx and CapEx challenges organizations face today while preparing to modernize for the future.

The NetBackup 5340 is offered in a High Availability (HA) configuration. The HA configuration increases system reliability, provides higher backup and recovery throughput as well as higher operational availability at significantly lower operational costs.



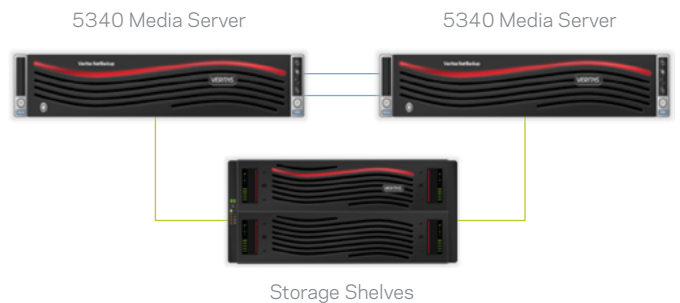
NetBackup 5340 Appliance

NETBACKUP 5340 HIGHLIGHTS

- **Ideal for enterprise environments**—Starting at 120 TB and expandable to 1.92PB usable capacity, NetBackup 5340 is designed for large enterprises and data centers requiring performance, capacity, and resiliency.
- **Eliminate point products**—Reduce 3rd party point products such as target dedupe appliances, tape, or virtual tape libraries (VTL).
- **Reduce capital and operating expenditures**— Consolidate existing media servers and target dedupe appliances into an all-in-one appliance; reduce floor space, power and cooling costs.
- **Simple NetBackup Software Licensing**—Pay once for NetBackup software and freely replicate, change retention policies, and refresh hardware without penalties.
- **Easily expand or refresh existing NetBackup environments without disrupting operations**—Deploy NetBackup 5340 media server and storage within your NetBackup domain.
- **Improve resource utilization**—Decrease backup storage up to 50 times and bandwidth consumption up to 99 percent.
- **Flexible deduplication options**—Deduplication at source or target; inline or post-process.
- **Reduce downtime with Veritas™ AutoSupport**—Monitors key hardware components and notifies the administrator of fault events.

NETBACKUP 5340 HIGH AVAILABILITY HIGHLIGHTS

- **Improve Uptime**—Up to 10x compared to a single node system with rolling upgrades for maintenance operations.
- **Higher Performance**—Increase throughput by up to 80% for high dedupe data with active-active operation.
- **Fast Deployment**—Deploy in less than 30 minutes with simple 3-step configuration process.
- **Reduce Risk**—Hardware redundancy eliminates single-point failures



NetBackup 5340 High Availability Configuration

PERFORMANCE	NETBACKUP 5340	NETBACKUP 5340 HA CONFIGURATION
Server Side Deduplication with 98% dedupe rate	37 TB/hr	58 TB/hr
Client Side Deduplication with 98% dedupe rate	196 TB/hr	196 TB/hr

TECHNICAL SPECIFICATIONS	NETBACKUP 5340	NETBACKUP 5340 HA CONFIGURATION	STORAGE SHELF
Number of server nodes	1	2	NA
Minimum system usable capacity (TB) ¹	120 TB	120 TB	NA
Storage shelf usable capacity (TB) ¹	NA	NA	120, 240, or 480 TB (Dependent on number and capacity of drives installed in Shelf)
Storage shelves (max)	4	4	NA
Max system usable capacity (TB) ¹	1.92 PB	1.92 PB	NA
1 Gb Ethernet ports	4	4 (2 used for internode communication)	NA
10 Gb Ethernet ports ²	2 to 10	4 to 20	NA
8 Gb Fibre Channel ports ³	Up to 8	Up to 16	NA
Server Node & Storage Shelf dimensions H x W x D (inches)/(cm)	(3.5 x 19.0 x 30.5) / (8.9 x 48.3 x 7.9)	(3.5 x 19.0 x 30.5) / (8.9 x 48.3 x 76.9)	(8.75 x 19.0 x 36.75) / (22.3 x 48.3 x 93.3)
Max weight per component, with disk drives (lbs/kg)	43 / 19.5	43 / 19.5 ⁴	282/131
Typical power consumption (watts)	300	600 ⁴	1,047
Max power consumption (watts)	600	1,200 ⁴	1,243
AC voltage range (Volts) (Compute node voltage is auto-ranging)	90 to 140 180 to 264	90 to 140 180 to 264	200 to 240
AC frequency range (Hz)	47 to 63	47 to 63	50 to 60
Max ampere ratings (A)	3.03 (200V to 240V)	3.03 (200V to 240V)	5.65 (200V to 240V)

ENVIRONMENTAL SPECIFICATIONS	NETBACKUP 5340	NETBACKUP 5340 HA CONFIGURATION	EXPANSION SHELF
Operating Temperature (°F)/(°C)	(50 to 95) / (10 to 35)	(50 to 95) / (10 to 35)	(41 to 95) / (5 to 35)
Storage Temperature (°F)/(°C)	(-40 to 158) / (-40 to 70)	(-40 to 158) / (-40 to 70)	(-40 to 158) / (-40 to 70)
Operating Humidity	10 to 80%	10 to 80%	10 to 80%
Operating altitude (ft)/(m)	(100-9,842) / (30.5-3,000)	(100-9,842) / (30.5-3,000)	(-328-9,842) / (-1000-3,000)
Max noise (dBA)	82	82	82
Typical Cooling (BTU/hr)	1,024	2,047	3,573
Max cooling (BTU/hr)	2,047	4,094	4,241

WARRANTY COVERAGE

One (1) year parts replacement and 90 days software.

MANAGEMENT

Through existing NetBackup Graphical User Interface.

PROTOCOL STANDARDS FOLLOWED

IPMI 2.0, SMBIOS 2.5, SAS 2.0a, ACPI rev 3, IP RFC0791

- Capacity values are calculated using Base2, (i.e. 1 TB = 1,099,511,627,776 bytes).
- Each node has 2 x 10 Gb Ethernet ports available as a base configuration.
- Each node has 0, 2, 4, 6, or 8 Fibre Channel port configurations available. In addition, each node has 4 dedicated Fibre Channel ports reserved for storage attach.
- Two server nodes in each configuration.

SAFETY AND EMC STANDARD COMPLIANCE

GB4943-2001, IEC 60950-1, UL 60950-1, FCC 47 CFR Part 15 Subpart A, EN 60950-1, EMC Directive 2004/108/ EC, EN 55024: 1998+A1+A2, LVD Directive 2006/95/EC; ENERGY STAR® compliant

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