

NetBackup Access 3350 Appliance

Ransomware resilient long-term data retention with multi-cloud capability.

Overview

The NetBackup Access 3350 is a turnkey appliance designed to provide long-term retention in NetBackup environments. Deep integration with NetBackup means faster restores for LTR data sets and reduced overall storage costs with Global Dedupe. NetBackup's proven, enterprise-hardened deduplication saves space, improving storage efficiency and effective capacity by as much as 30x.

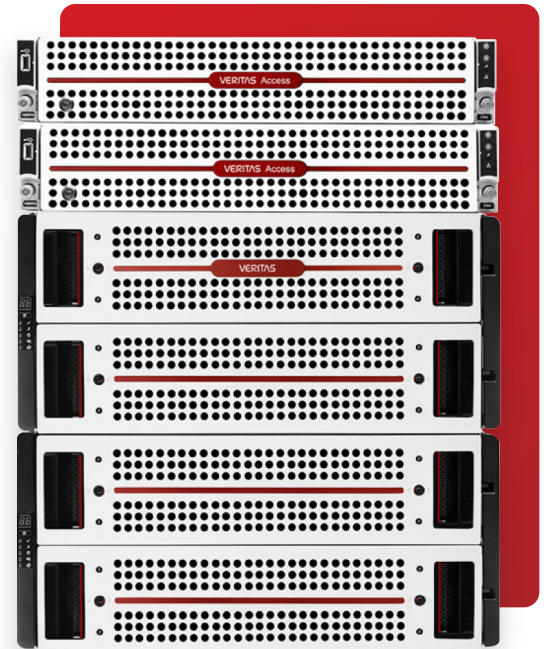
Access Appliance utilizes a multilayered security architecture that provides resilience against ransomware for the entire data protection infrastructure. At its core is immutable storage, an important component for ransomware resilience. Other layers include container isolation, a hardened operating system, access control and intrusion detection and prevention.

Automated tiering, via NetBackup Storage Lifecycle Policies, orchestrates data migration to on-premise and off-premise clouds to further reduce the operating cost, address additional capacity requirements, and increase the resilience of long-term data stores. Support for multiple protocols, including Amazon S3, CIFS/SMB and NFS, increases the utility of Access Appliance across the infrastructure where immutability and data tiering of unstructured data sets is required.

Like all NetBackup appliances, the Access 3350 comes with everything needed to put the system in production, including Access Software, which includes a pre-tuned operating system with security hardening, an integrated hardware platform that includes supportability enhancements and integration with NetInsights, Veritas' industry leading remote management application.

Access Appliance use cases include:

- **Cost-effective tape replacement**—Replace tape-based storage to meet demanding Recovery Time Objectives (RTOs) and reduce maintenance costs and additional software licensing required for many tape libraries
- **Archiving with Veritas Enterprise Vault™**—The Access 3350 works as a primary archive store, offering compliant and flexible storage for archive retention with remote replication capabilities
- **Hybrid Cloud LTR Solution**—NetBackup Access facilitates tiering data to popular cloud platforms.



Product Highlights

- **NetBackup integration**—Provides consistent end-to-end long-term data retention and protection, complete with classification and global deduplication features
- **Ransomware Resilient with immutable storage and Hardened security including:**
 - Security Technology Implementation Guides (STIG)
 - Federal Information Processing Standards (FIPS)140-2
- **Highly scalable**—The Access 3350 starts at 280 TB of usable capacity and scales to 2.8 PB
- **Hybrid Multi-cloud capabilities**—Policy-based tiering orchestrates automated data migration to on-premise, off-premise or multi-cloud object stores
- **Flexible**—Simultaneously access files and objects over multiple protocols, including NFS, CIFS/SMB and Object Storage
- **Reduced management costs**—A single pane of glass manages multiple instances, including integration with NetBackup and Enterprise Vault
- **Reduce CapEx**—Cost-optimized for Long Term Retention and tuned for high-capacity workloads
- **Resilient hardware architecture**—Clustered nodes with multiple data paths, redundant hot swap power supplies, redundant fan modules, and RAID groups with hot pluggable disks, deliver greater data protection and system availability

Technical Specifications

NetBackup Access Appliance Node²

1 Gb Ethernet ports (per node)	4 (2 used for internode communication)
25-10 Gb SFP Ethernet ports (per node, 10 Gb SFP populated)	4
Dimensions H x W x D (Inches) / (cm) / Rack Units (U)	3.5 x 19.0 x 31.25 / 8.9 x 48.3 x 79.4 / 2U
Max weight (lbs / kg)	51.28 / 23.26
Typical power consumption (watts)	300
Max power consumption (watts)	1200
AC voltage range (Volts) (compute node voltage is auto-ranging)	90 to 140 180 to 264
AC frequency range (Hz)	47 to 63
Typical ampere ratings (A)	2.75 (90 to 140V)
Number of server nodes	2

NetBackup Access Appliance Storage Shelf

Drive Capacity	4 TB	10 TB
Max number of drives	82	82
Usable capacity ¹	280 TB (255 TiB)	700 TB (636 TiB)
Dimensions H x W x D (Inches) / (cm) / Rack Units (U)	8.75 x 19.0 x 36.75 / 22.2 x 48.3 x 93.4 / 5U	
Max weight with disk drives (lbs / kg)	317 / 144	
Typical power consumption (watts)	1047 / shelf	
AC voltage range (Volts)	200 to 240	
AC frequency range (Hz)	50 to 60	
Typical ampere ratings (A)	5.65 (200 to 240V)	

Expansion Options

Primary System Capacity	Expansion Shelf Options
280 TB (255 TiB) (4 TB drive capacity)	(1) 280 TB (255 TiB) Expansion Shelf or (1) 700 TB (636 TiB) Expansion Shelf
700 TB (636 TiB) (10 TB drive capacity)	(1-3) 700 TB (636 TiB) Expansion Shelves or (1) 280 TB (255 TiB) Expansion Shelf

NetBackup Access Appliance Storage Shelf	NetBackup Access 3350 Node	StorageShelf
Operating temperature (oF)/(oC)	(50 to 95)/(10 to 35)	(41 to 95)/(5 to 35)
Storage temperature (oF)/(oC)	(-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%
Operating altitude (ft)/(m)	(-100-9,842)/(-30.5- 3,000)	(-328-9,842)/(-1000-3,000)
Max noise (dBA)	82	82
Typical cooling (BTU/hr)	1024 BTU/hr	3,573
Max cooling (BTU/hr)	4094 BTU/hr	4,241

Warranty Coverage

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

Protocol Standards Followed

IPMI 2.0, SMBIOS 2.5, SAS 3.0, ACPI rev 3, IP RFC0791

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

1. Terabyte = 1012 bytes; 1 Tebibyte = 240 bytes
2. Each node has 2 x 10 Gb Ethernet ports available as a base configuration.
3. Two server nodes in each configuration.

About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

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