

NetBackup

Version Comparison



Features	8.1.2	8.2	8.3	9	Notes
Operational Resiliency, Security and Compliance					
Extensive workload support	✓	✓	✓	✓	Widest support from edge to core to cloud with 800+ data sources, 1,400+ storage targets and 60+ cloud providers.
Role-based access control (RBAC)	✓	✓	✓	✓	8.3 provided more granular access controls. 9 adds role-based templates to help with role creation and management.
Authentication and auditing	✓	✓	✓	✓	8.3 added SAML 2.0 support for single sign-on in the web UI and user auditing by sending user audit logs to the syslog.
Encryption in-transit and at-rest	✓	✓	✓	✓	8.3 added support for third-party key management with KMIP integration, 2048-bit or higher keys for NetBackup Certificate Authority (CA) to ensure data integrity throughout the data journey.
Long-term retention (LTR)	✓	✓	✓	✓	Keep backup images for an extended period of time and be able to recover efficiently. 9 introduced longer data retention.
Immutability with NetBackup and NetBackup Flex running on Appliances			✓	✓	Hardened Appliances. NetBackup support for immutable storage (NetBackup OpenStorage Technology [OST]) and NetBackup Flex help prevent ransomware from encrypting or deleting backup data.
Recovery at scale	✓	✓	✓	✓	NetBackup integration with Resiliency Platform, introduced in 8.3, provides multi-SLA automation and orchestration to simplify recovery at scale.
Deployment Modes					
NetBackup Flex	✓	✓	✓	✓	8.3 introduced immutable and indelible storage support.
NetBackup Flex Scale				✓	9 introduced support for NetBackup Flex Scale, extending NetBackup with simplicity, automation and scale-as-you-grow.
NetBackup Appliance or software for BYO	✓	✓	✓	✓	Deploy NetBackup virtual or physical appliances or download NetBackup software for BYO or cloud instances. Utilize third-party configuration management tools like Chef or Microsoft SCCM to orchestrate custom enterprise deployments.
Cloud Data Protection					
MSDP (Media Server Deduplication Pool) direct cloud-tiering			✓	✓	In 8.3 support was added to tier directly from MSDP. 9 added support for web UI to configure recovery server for image sharing.
Cloud-native backup solution		✓	✓	✓	Cloud-native workloads, through the integration of NetBackup CloudPoint.
Cloud snapshot granular recovery			✓	✓	Direct recovery of individual files and folders through the web UI without having to roll back the entire snapshot first. 9 introduced Azure incremental snapshots, saving costs and optimizing cloud storage space.

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Workload and data portability to Azure Stack and Azure			✓	✓	New Azure Stack to Azure Stack and Azure Stack to Azure portability/resiliency.
Image sharing with Azure and S3			✓	✓	Compatible object storage.
Disaster recovery (DR) to the cloud	✓	✓	✓	✓	Automated, orchestrated, DR at scale to the cloud.
At-scale push-button business DR to the cloud			✓	✓	At-scale DR of business units in the cloud and between clouds.
Cloud snapshot orchestration		✓	✓	✓	Enabling application-aware snapshots, single file recovery and multi-region snapshot migration.
Unified single-server deduplication			✓	✓	Optimize costs and cloud storage usage with deduplication.
Dedupe to object storage including AWS Glacier, Azure Archive and Deep Archive tiers		✓	✓	✓	Reduce cost of bandwidth and cloud storage. Common data is factored out before sending to the cloud. 9 introduced support for Azure Archive.
Automate public cloud deployment with marketplace images	✓	✓	✓	✓	Simplified deployment directly from public cloud marketplaces (AWS/Azure/Google Cloud Platform).
OpenStack enhancements			✓	✓	NetBackup 9 supports significantly more functionality for OpenStack including integrating into the NetBackup Web UI and Horizon interface, providing incremental backup, restore of a single VM or file, quota integration and tenant-level self-service protection.
Virtual Data Protection					
Perform single file recovery for any file system	✓	✓	✓	✓	Ability to recover granular data.
Support for vTPM (Virtual Trusted Platform Module)			✓	✓	Allow backup and restore of virtual machines (VMs) that use vTPM for high-security environments.
vCloud Discovery enhancements		✓	✓	✓	Reduce discovery time in very large environments from hours to minutes.
VMware Agentless everywhere		✓	✓	✓	Agentless backup and recovery, including Single File Recovery and Instant Access.
VMware performance enhancements			✓	✓	Discovery is over 50x faster, allowing jobs to start sooner.
Support for Nutanix AHV		✓	✓	✓	Protection including Accelerator, incremental support, licensing and HMI plug-in hypervisor policy support.
Support for VMware vRealize, vSphere 7 and ServiceNow plug-ins			✓	✓	Automated workflows enable easier management.
Database and NAS Data Protection					
Support for Oracle and Oracle RAC	✓	✓	✓	✓	RAC backup improvements (ported functionality to the web UI) and load balancing with Oracle Intelligent Policies in 8.3.
Support for MS-SQL workload		✓	✓	✓	Database admin self-service/web UI integration in 8.3.
Instant Access with SQL databases for NetBackup Appliances and BYO			✓	✓	Accelerated recovery for improved web-based customer experience.
Support for Oracle Wallet			✓	✓	Access control of databases.
Universal Share support with BYO and NetBackup Appliances			✓	✓	Added support for BYO in 8.3.
Quota and HA support for Universal Shares on Appliances			✓	✓	Automatic failover if a node goes down plus ability for the storage admin to restrict how much data can go into a share.
NAS data protection based on NDMP	✓	✓	✓	✓	Protocol used to protect NAS that is not flexible and provides NAS storage vendor lock-in. 9 added support to create an NDMP policy through the web UI.

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NAS data protection with Dynamic NAS (DNAS) data protection			✓	✓	Support for traditional snapshot-based protection of NAS devices, data portability, automatic performance tuning and simplified administration (NFS only, NetApp and Nutanix Files). 9 introduced a resume backup or restore at a point in time rather than start at the beginning with checkpoint restart.
Support for MongoDB		✓	✓	✓	Protect single or multiple instances of Mongo in sharded or non-sharded environments for community or enterprise version 3.4/3.6/4.0. Support for MongoDB 4.2 was added in 9.
Modern UI & Integrations					
Simplified UI and added workloads and features (RBAC, new workloads, API)	✓	✓	✓	✓	8.3 added new workloads coverage for SQL and Universal Shares, storage, policies and APIs. 9 added NDMP policy management type, configure cloud recovery server and RBAC enhancements.
Cloud Snapshots and DR Orchestration built-in to NetBackup			✓	✓	Leveraged NetBackup CloudPoint and Resiliency Platform to introduce a unified experience that delivers cloud native protection and DR orchestration directly from NetBackup.
Reduce Java footprint	✓	✓	✓	✓	8.1.2 added VxUpdate for client upgrades and EEB deployment. 8.2 expanded VxUpdate to handle BYO media servers. 8.3 and 9 reduced java footprint leveraging the intuitive web UI.

To compare features from prior NetBackup versions, visit the [What's New](#) webpage. To learn about the latest version of NetBackup, visit [Veritas.com](#) and the [NetBackup 9 data sheet](#).

ABOUT VERITAS

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