

# NetBackup Version Comparison



Features	8.1.2	8.2	8.3	9	Notes
<b>Operational Resiliency, Security and Compliance</b>					
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.
<b>Deployment Modes</b>					
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.
<b>Cloud Data Protection</b>					
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.

Features	8.1.2	8.2	8.3	9	Notes
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.

Features	8.1.2	8.2	8.3	9	Notes
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

Veritas Technologies is a global leader in data protection and availability. Over 50,000 enterprises—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](http://www.veritas.com). Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

2625 Augustine Drive, Santa Clara, CA 95054  
+1 (866) 837 4827  
[www.veritas.com](http://www.veritas.com)

For specific country offices and contact numbers, please visit our website.  
[www.veritas.com/company/contact](http://www.veritas.com/company/contact)

**VERITAS**<sup>™</sup>