NetBackup Version Comparison

One platform, with an all inclusive licensing and pricing model.

VERITAS™

Features	8.2	8.3	9	9.1	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 added 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.
TLS 1.3 support				✓	Faster and more secure data encryption for both in-transit and at-rest.
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-SLO automation and orchestration to simplify recovery at scale.
Immutable Object Lock Storage Support				✓	AWS S3 Object Lock immutable storage support
Artificial Intelligence (AI) powered anomaly detection				✓	Detects and alerts of suspect behavior at the time of backups. This ensures that data is always recoverable, and enables businesses to take immediate action when ransomware strikes, isolating backups with malware and limiting its impact.
2FA/SAML for Java UI				✓	Enhanced secure login for customers using the Java Admin Console
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.

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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.
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 AWS 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). With 9.1, experience CloudPoint co-deployment with NetBackup for AWS and Azure.
Backup from Cloud Snapshots				✓	Leverage SLP policies to move contents of snapshots to NetBackup Storage for cost savings.
Cloud Intelligent Policies				✓	Create and manage intelligent groups of cloud assets using tags and attributes to ensure your AWS, Azure, Azure Stack, and GCP cloud assets are protected.
Cloud Autoscaling				✓	Cloud resources are dynamically re-sized, ensuring that protection needs are met, while also optimizing storage costs and resources.
OpenStack enhancements		✓	✓	✓	Supports significantly more functionality for OpenStack including integrating into the NetBackup Web UI with plugin support for Horizon integration., providing incremental backup, restore of a single VM or file, quota integration and tenant-level self-service protection.
Support for Kubernetes (K8s)				✓	Backup and recover namespaces on platform agnostic (storage and Kubernetes) deployments with RBAC enabled self-service from the NetBackup Web UI. Leverage K8s APIs, custom operators, and Container Storage Interface (CSI) snapshots.
Virtual Data Protection					
Perform VMware 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.

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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 VMware Cloud Foundation (VCF)	✓	✓	✓	✓	Support for VMware Cloud, HyperScale Partners, and Integrated Systems including Dell EMC VxRail.
Support for VMware vRealize, vSphere 7 and ServiceNow plug-ins		✓	✓	✓	Automated workflows enable easier management.
NetBackup Instant Rollback for VMware				✓	Perform instant recovery of production VMs by leveraging Change Block Tracking to only recover unique blocks to recover to a healthy state.
Continuous Data Protection (CDP) for VMware				✓	Leverage Stun-free backup of VMware VMs with low-RPO, providing added resiliency through granular recovery points with the ability to recover files and folders.
Support for Nutanix AHV	✓	✓	✓	✓	Protection including Accelerator, incremental support, licensing and HMI plug-in hypervisor policy support. Protection including Accelerator, incremental support, licensing and HMI plug-in hypervisor policy support.
Nutanix AHV Self-Service				✓	Enforce access and control through the streamlined role creation process using web UI.
Support for agentless file and folder restore for Nutanix AHV				✓	Quickly recover a single file or folder to ensure quick access to data.
Nutanix AHV data management				✓	Agentless support for single file folder recovery. Support for VM group filters to classify the different types of protection they want to assign to each group.Inclusion of application consistent backups. Resource throttling control to set resource limits during backup.

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<tr><td colspan="6" align="center">Database and NAS Data Protection</td></tr>
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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.
Additional MS-SQL recovery option				✓	Recover from any copy, not just primary for MS SQL ensuring quick access to data.
Instant Access with MS-SQL databases for NetBackup Appliances and BYO		✓	✓	✓	Accelerated recovery for improved web-based customer experience.
Support for Oracle Wallet		✓	✓	✓	Access control of databases.
Oracle Dataguard				✓	Support for Oracle Dataguard in Oracle Intelligent Policies to streamline data.
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.

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 for NFS. 9 introduced a resume backup or restore at a point in time rather than start at the beginning with checkpoint restart.
Dynamic NAS (DNAS) Data Protection for CIFS/SMB				✓	Added support for CIFS/SMB
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)	✓	✓	✓	✓	Added Nutanix AHV, Kubernetes, NetBackup Instant Rollback for VMware and more.
Cloud Snapshots and DR Orchestration built-in to NetBackup		✓	✓	✓	Integrated NetBackup CloudPoint and Resiliency Plaftorm 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 9.1 data sheet.

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