

# NetBackup Version Comparison

**VERITAS™**

Features	8.1.2	8.2	8.3	Notes about NBU 8.3
<b>Operational Resiliency, Security and Compliance</b>				
Extensive workload support.	✓	✓	✓	Added support for new workloads.
Enhancements to Role-Based Access Control (RBAC).	✓	✓	✓	More flexibility with greater control and access to data. 8.3 provides more granular RBAC.
Support and enhancements to external certificate authority.	✓	✓	✓	8.3 supports single sign-on for WebUI, External Key Management System Integration via KMIP, forwarding audit logs to syslog server, and 2048 bit or higher keys for NetBackup Certificate Authority (CA).
Immutability with NBU appliances.			✓	Hardened appliances. NetBackup support for immutable storage (NetBackup OpenStorage (OST) and Flex 5340) helps prevent ransomware from encrypting backup data.
Recovery at scale.	✓	✓	✓	8.3 introduces NetBackup Resiliency (VRP), which provides multi-SLA automation and orchestration to simplify recovery at scale.
<b>Cloud Data Protection</b>				
MSDP (Media Server Deduplication Pool) direct cloud-tiering.			✓	Tier directly from MSDP in 8.3.
Cloud Native Backup solution.		✓	✓	Cloud native workloads, CP integration.
Cloud snapshot granular recovery.			✓	Direct recovery of individual files and folders through the Web UI without having to roll back the entire snapshot first.
Workload & 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 Cloud.	✓	✓	✓	Automated, orchestrated, DR at scale to the cloud.
At-scale push button business DR to Cloud.			✓	At-scale DR of business units in the cloud.
Cloud snapshot orchestration.		✓	✓	8.3 enables the integration of NBU and CloudPoint.
Unified single-server deduplication.			✓	Convergence of MSDP and CloudCatalyst.
Dedupe to Object Storage including Glacier and deep archive tiers.		✓	✓	Reduce cost of bandwidth and cloud storage. Common data is factored out before sending to cloud.
Automate Public Cloud deployment with marketplace images (AWS/Azure).	✓	✓	✓	Simplified deployment directly from public cloud marketplaces.
<b>Virtual</b>				
Perform single file recovery for any file system.	✓	✓	✓	Ability to recover granular data.
Added support for vTPM.			✓	Allow backup and restore of virtual machines 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.

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VMware performance enhancements.			✓	Discovery is over 50x faster allowing jobs to start sooner.
Nutanix AHV.		✓	✓	Protection improvements including Accelerator, incremental support, improved licensing and HMI plug-in hypervisor policy support.
Added support for VMware vRealize, vSphere 7 and ServiceNow plugins.			✓	New ability to have automated workflows.
OpenStack enhancements.			✓	Global Backup Admin role provides all tenant access from a single role, CEPH support and additional metadata capture.
Databases (SQL, Oracle, NAS)				
Support for Oracle and Oracle RAC.	✓	✓	✓	RAC backup improvements (ported functionality to WebUI) and load balancing with Oracle Intelligent Policies in 8.3.
Support for MS-SQL workload.		✓	✓	DBA self-service/WebUI integration in 8.3.
Instant Access w/ SQL Databases for NBU appliances and BYO.			✓	Accelerated recovery for improved web-based customer experience.
Oracle Wallet Support.			✓	Access control of databases.
Universal Share support with BYO and NBU appliances.			✓	Added BYO.
With Universal Share: HA Appliance and Quotas Support.			✓	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 which is not flexible and provides NAS storage vendor lock-in.
NAS Data Protection with Dynamic NAS (DNAS) Data Protection			✓	Provides support for traditional snapshot-based protection of NAS devices, data portability, automatic performance tuning, and simplified administration (NFS only, NetApp and Nutanix Files).
Support of 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.
Modern UI & Integrations				
Simplified UI and added workloads and features (RBAC, new workloads, API).	✓	✓	✓	Added new workloads coverage: SQL and Universal Shares, storage, policies and APIs.
NetBackup merged with CloudPoint and Veritas Resiliency Platform (VRP).			✓	Removed point tools for freedom to control cloud data protection and disaster recovery directly from NetBackup.
Reduce Java footprint.	✓	✓	✓	8.1.2 VxUpdate for client upgrades and EEB deployment was added. 8.2 expanded VxUpdate to handle BYO media servers. And in 8.3, java footprint is reduced.

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 [NBU 8.3 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).

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