

Top Reasons Veritas NetBackup / NetBackup Appliances Beat Dell EMC PowerProtect DD Series

Veritas NetBackup 9.1 vs. Dell EMC PowerProtect DD Series DDOS 7.6

Summary

Industry Leadership

Veritas is proud to be consistently recognized by industry analysts for its long history of enabling enterprises around the world to keep their businesses running and protect their data. Veritas was ranked #1 in Integrated PBBA Market Share Revenue, worldwide for 2020¹ by IDC.

Trusted Partner for Data Protection

Since 1999, Veritas has been recognized as a leader in every Gartner Magic Quadrant for Data Center Backup and Recovery Solutions². Over 50,000 enterprises, including 94 percent of the Fortune 100, choose Veritas.

Largest Edge to Core to Cloud Workload Support

Veritas NetBackup™ and the Veritas Enterprise Data Services Platform™ natively protect more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets and more than 60 different cloud platforms.

Ransomware Resiliency

NetBackup 9.1 and NetBackup Flex™ 2.0 Appliances offer integrated immutable storage plus vast storage device and cloud support, including AWS S3 Object Lock™, advanced hardware-level security, orchestrated recovery and key industry certifications like Cohasset™ Assessments³.

Flexible Deployment Options

NetBackup is available in a variety of consumption models that give enterprises the deployment flexibility needed to match the unique and dynamic requirements of their IT infrastructures.

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Industry Leadership

Worldwide in 2020, Veritas was ranked #1 in Integrated PBBA Market Share Revenue, #2 in Backup and Recovery Software Market Share Revenue and #1 in Archive Software Market Share Revenue.

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Trusted Partner for Data Protection

The Veritas brand is known for, and inspires, trust across the globe. Over 50,000 enterprises, including 94 percent of the Fortune 100, choose Veritas. Since 1999, Veritas has been recognized as a leader in every Gartner Magic Quadrant for Data Center Backup and Recovery Solutions². Ten of the top 10 global companies trust Veritas. In addition, 19 of the 20 leading healthcare companies trust Veritas.



Largest Edge to Core to Cloud Workload Support

Veritas NetBackup and the Veritas Enterprise Data Services Platform natively protect more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets and more than 60 different cloud platforms.

Whether it's big data, hyperconverged or an open-source workload requirement, NetBackup has you covered. NetBackup can keep pace with multi-petabyte workloads like Hadoop and NoSQL™ as well as hyperconverged workloads like Nutanix VDI™ and NAS files. The NetBackup Parallel Streaming Framework™ and its agentless, on-demand flexibility and dynamic scale-out performance deliver measurable results. NetBackup Universal Shares™ provides big cost savings where data can be copied directly to an appliance, reducing production NAS storage space/infrastructure for up to 5M+ files per share and improving performance by eliminating double data moves.

NetBackup also provides Oracle Wallet™ support that significantly reduces security risk by enabling you to manage credentials centrally and offers virtual Trusted Platform Module™ (vTPM) support for VMware™ used in highly secure government data centers.



Ransomware Resiliency

NetBackup 9.1 and NetBackup Flex 2.0 Appliances offer integrated immutable storage as well as vast storage device and cloud support including AWS S3 Object Lock, advanced hardware-level security, orchestrated recovery and key industry certifications like Cohasset™ Assessments.

NetBackup 9.1 and NetBackup Flex 2.0 Appliances offer immutable WORM storage, lower cost, extensive workload/storage device coverage, infrastructure awareness, stronger automated orchestrated recovery and all industry certifications as defined by Cohasset Assessments⁵ over Dell EMC™ products from its complex and multiple ransomware/security product portfolio such as PowerProtect Data Manager™, NetWorker™ using PowerProtect DD Series™ Retention Lock Compliance / Governance Modes and a costly Cyber Recovery Vault™.

Additionally, these products lack real-time detection, ransomware analysis-based recovery and primary copy immutability features.



Flexible Deployment Options

NetBackup is available in a variety of consumption models that give enterprises the deployment flexibility needed to match the unique and dynamic requirements of their IT infrastructures.

Deployment options for NetBackup include a classic build-your-own (BYO) software solution, a virtual appliance with multiple editions, a fully integrated and purpose-built appliance with factory-tuned performance out of the box, a NetBackup Flex Appliance platform that leverages container virtualization technology and accelerates administrative deployment flexibility and speed or even as a NetBackup Flex Scale scale-out appliance. Dell EMC lacks this spectrum of deployment options.





All-In-One, Fully Integrated Appliances

Dell EMC PowerProtect DD Series Appliances often require multiple products bolted together to provide a complete solution⁴. In fact, many customers use NetBackup software to assist in their PowerProtect DD Series and previous-generation deployments. The multiple solutions Dell EMC offers create increased complexity, higher total cost of ownership (TCO) and additional management challenges.

NetBackup Appliances are complete, fully integrated, out-of-the box data protection solutions with reliable, enterprise-grade functionality and performance. PowerProtect DD Series offerings often require customers to add multiple, disparate components before they can achieve a full data protection solution. In addition, Dell EMC is now investing in a new data protection and management product—PowerProtect Data Manager. This new offering has a limited number of supported workloads and is a net-new addition to the already crowded and complex Dell EMC family of data protection and management solutions.



True High Availability

NetBackup Appliances support Active-Active high availability (HA), which increases both system and application availability and performance. This Active-Active architecture can increase performance because the secondary server node of the HA configuration adds compute and deduplication capability when in a non-failover state. By comparison, PowerProtect DD Series' Active-Passive HA configuration addresses increased availability and typically does not offer performance advantages because the secondary server node remains passive (inactive) until a failover event. Plus, there are documented delays in the failover process and potential manual intervention when implementing NDMP backup⁴, compromising your application availability and operational efficiency.



More Performance, Capacity & OpEx Savings

Testing shows that NetBackup and NetBackup Flex Appliances offer better performance, capacity and density when compared to the PowerProtect DD Series⁴. As a key highlight, the NetBackup 5350 Appliance offers 2x the throughput, 3x faster backup and restore performance and 50 percent more capacity than the Dell EMC DD9[9]00.

In addition, NetBackup Appliances use 15 percent less power than the PowerProtect DD Series², lowering TCO and reducing your overall data protection energy requirements.



Low-Cost Cloud Functionality & Tiering

In conjunction with CloudCatalyst™, NetBackup does not rehydrate deduplicated data when storing it in the cloud. Data remains optimized (in deduplicated format) when stored to the selected cloud target. In comparison, Dell EMC PowerProtect DD Series customers must work around product limitations with Dell EMC Cloud Tier². For example, they must purchase additional licenses per TB transferred, abide by a minimum day staging requirement prior to sending data to the cloud and pay for additional local storage (disks/shelves-infrastructure) as cache—all of which adds increased cost and complexity².

NetBackup supports cloud storage integration with major cloud providers including Microsoft™ (Azure™), Amazon Web Services™ (AWS™), Google Cloud Platform™ and others. Dell EMC PowerProtect DD Series Cloud Tier lacks support for AWS Glacier™ or Azure Deep Archive™, preventing lower-cost long-term recovery use and increasing TCO⁴.



Modern Infrastructure Consolidation

NetBackup Flex Appliances feature integrated container technology that helps IT professionals simplify their data protection infrastructure by consolidating multiple NetBackup servers onto a unified, resilient and scalable appliance platform. New server deployments typically take less than five minutes. NetBackup Flex Appliances are designed for both data center and remote office/back office (ROBO) deployments—the Flex 5150 Appliance is perfect for low-cost ROBO implementations.

Flex Appliances act essentially as virtualization platforms for NetBackup, allowing customers to take advantage of all key NetBackup capabilities, including deduplication. NetBackup MSDP™ technology features global, block-level, end-to-end deduplication across virtual, physical and cloud, reducing the amount of back-end storage required. This capability helps minimize overall spend on cloud storage by only sending changed blocks off-site or to secondary storage. Less-efficient dedupe ratios can compound cost and complexity in even the smallest hybrid-cloud deployments.



Virtual Environment Functionality

NetBackup provides agentless, granular file restores for VM environments, lowering management costs and complexity. The Dell EMC DD Boost™ plug-in does not support granular file-level restores⁴. In addition, NetBackup's support for P2V/V2P provides flexible options to help protect your entire data center—no matter how complex it is.

NetBackup also delivered vSphere™ 7.0 and vSAN™ 7.0 “day zero” support, ensuring NetBackup customers can support new releases of mission-critical platforms ahead of other competing solutions.



Superior Data Insight & Control

Today, data is fragmented across cloud, physical and virtual environments. According to The Databerg Report, 54 percent of organization data is dark, or simply put, unknown⁵. Better control over data protection demands better insight into your key data, which Veritas provides by means of Data Insight and with APTARE™ IT Analytics.

Dell EMC does not offer the direct visibility into your primary data that Data Insight provides. Dell EMC SourceOne™ archiving software is part of the Data Protection Suite, which only works with Microsoft Exchange™, SharePoint™, file systems and Dell EMC backup targets and does not offer comparable content classification. Dell EMC RSA Data Discovery™ only gives you classified content visibility on SharePoint file servers, databases and on-premises NAS/SAN².



Comparison Table

Feature	NetBackup	PowerProtect DD Series
General		
All-in-one, fully integrated data protection solution	✓	X
Lower OpEx: power, networking, cooling, space	✓	X
Cloud intelligent policies to abstract multi-cloud complexity	✓	X
No cloud tiering tax w.r.t time, space, money	✓	X
Parallel restore to multiple locations and no additional software agent needed: built-in granular VM recovery	✓	X
Predictive Insights for reduced downtime	✓	X
MS SQL PIT complete Instant Access Recovery	✓	X
Modern workload support with PSF technology	✓	X
Visibility into primary and backup data	✓	X
Direct tape support (EMC supports VTL)	✓	X
Extensive IT orchestration and business resiliency tools	✓	X
SHA2 (128/256-bit) encryption algorithms	✓	X
Fixed and variable-length deduplication and no file-system-level deduplication limitations	✓	X
Two-factor deduplication metadata protection	✓	X
Capacity, Performance & Optimization		
Up to 1,920 PiB storage capacity	✓	X
Faster backup and restore performance	✓	X
Fixed and variable-length deduplication	✓	X
Two-staged MSDP catalog protection	✓	X
Availability, Security & Reliability		
Active-Active HA in Appliances	✓	X
Broad immutable storage support and resiliency orchestration features	✓	X
Oracle Wallet integration	✓	X
RAID 10-protection of metadata	✓	X
Backup and restore of VMs with Virtual Trusted Platform	✓	X

1. IDC Quarterly Purpose Built Backup Appliance Tracker 2019Q4, March 2020
2. [Gartner Magic Quadrant for Data Center Backup and Recovery Solutions](#), July 20, 2020
3. Cohasset-Veritas NetBackup-SEC+FINRA+CFTC-Compliance Assessment, September 2020
4. [Dell EMC references](#)
5. [The Databerg Report](#)

Energy Star Ratings: <https://www.energystar.gov/productfinder/product/certified-data-center-storage/details/2250083>

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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