Top Reasons Veritas NetBackup™ Appliance Beats PowerProtect Data Domain

Veritas NetBackup 9 vs. PowerProtect Data Domain DDOS 7.3

VERITAS™

SUMMARY

Industry Leadership

According to IDC[1], Veritas ranked #1 among named vendors in integrated purpose-built backup appliances market share revenue worldwide in CY2019.

Enterprise

Over 50,000 enterprises, including 87% of the Fortune Global 500 choose Veritas. Veritas NetBackup and Flex Appliances are fully integrated solutions that provide key data center advantages for your applications over Dell EMC PowerProtect DD (Data Domain) Appliance offerings.

Largest Edge, Core to Cloud Workload Support

Veritas NetBackup solutions natively protect 800+ data sources, 100+ Operating Systems, 1400+ Storage targets with 150+ and 60+ clouds with every single deployment model. The new NetBackup 9 and Flex 2.0 releases introduce additional features and capabilities that broaden its customer appeal and strengthen its market leadership position in many areas including Ransomware protection.

Ransomware Resiliency

Veritas NetBackup 9 and Flex 2.0 Appliances offer immutable WORM, lower cost, vast workload/storage device coverage, infrastructure awareness, stronger automated orchestrated recovery and with all industry certifications as defined by Cohasset Assessments compared to EMC's complex multiple product portfolio of Ransomware/Security solutions.

Flexible Deployment Options

NetBackup / Flex Appliances are available in a variety of consumption models that give you the deployment flexibility needed to match the unique and dynamic needs of your IT infrastructure.

TOP REASONS VERITAS NETBACKUP APPLIANCE BEATS POWERPROTECT DATA DOMAIN

One Fully Integrated Appliance

Dell EMC PowerProtect DD Appliances often require multiple products bolted together to provide a complete solution[2]. In fact, many customers use NetBackup software to assist in their PowerProtect DD and previous-generation Data Domain deployments. The multiple solutions Dell EMC offers commonly create increased complexity, higher 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 often requires customers to add multiple, disparate components before they can achieve a full data protection solution[2]. 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, 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's Active-Passive HA[2] 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 backup[2]. This compromises your application availability and operational efficiency.

More Performance, Capacity & OpEx Savings

Testing shows that NetBackup and Veritas Flex Appliances offer better performance, capacity and density when compared to PowerProtect DD Appliances[2]. NetBackup Appliances are Energy Star Certified and use 15 percent less power than PowerProtect DD[2], thereby providing a step toward obtaining Energy Star certification for data centers, lowering TCO and reducing your overall data protection energy requirements.

Modern, Next-Generation Workload Protection

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. NetBackup Parallel Streaming and its agentless, on-demand flexibility and dynamic scale-out performance deliver measurable results. NetBackup Universal Share 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 can significantly reduce security risk by enabling customers to manage credentials centrally with virtual Trusted Platform Module (vTPM) support for VMware used in highly secure government data centers.

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 customers must work around product limitations with Dell EMC Cloud Tier[2]. For example, customers 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 complexity[2].

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 Cloud Tier lacks support for AWS Glacier or Azure Deep Archive, preventing lower-cost long-term recovery use and increasing TCO[2].

Modern Infrastructure Consolidation

Flex Appliances feature integrated Docker 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. 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 restores.[2] In addition, NetBackup 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, unknown[4]. Better control over data protection demands better insight into your key data, which Veritas provides by means of Data Insight[2] and with APTARE™ infrastructure 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. Dell EMC SourceOne 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/SAN[2].

Flexible Deployment Options

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

Iron-Clad Ransomware Protection

Veritas NetBackup 9 and Flex 2.0 Appliances offer immutable WORM, lower cost, vast workload/storage device coverage, infrastructure awareness, stronger automated orchestrated recovery and with all industry certifications as defined by Cohasset Assessments[5] as compared to EMC's complex multiple product portfolio of Ransomware/Security solutions. PowerProtect Data Manager, Networker using PowerProtect Data Domain Retention Lock Compliance / Governance Modes and a costly Cyber Recovery Vault are examples from Dell EMC's complex & multiple Ransomware/Security product portfolio. Additionally, these products often lack Real-Time detection, ransomware analysis-based recovery and primary copy immutability features.

COMPARISON TABLE

Feature	Veritas	PowerProtect Data Domain
General		
Reduced floor space tiles leading to lower TCO	✓	X
No cloud tiering tax W.R.T time, space, money	✓	X
Built-in granular VM Recovery (no additional software)	✓	X
Predictive Insights features – reduced downtime	✓	X
Variable and fixed deduplication	✓	X
MS SQL PIT complete instant access recovery	✓	X
Energy Star efficiency rated - Less TCO	✓	X
Modern workload support (MySQL, Nutanix, Hadoop) with agentless parallel streaming technology	✓	X
Visibility into primary & backup data	✓	X
Direct tape support	✓	X
Broad immutability device support, Cohasset Certification & IT resiliency orchestration features	✓	X
Capacity, Performance & Optimization		
Up to 1,920 PiB storage capacity	✓	X
Faster backup & restore performance	✓	X
Fixed and variable length de-duplication	✓	X
Two-staged MSDP catalog protection	✓	X
Availability, Security & Reliability		
True Active-Active HA appliance option	✓	X
Oracle wallet integration, authentication, signing credentials	✓	X
RAID 10-protection of metadata	✓	X

1. IDC Quarterly Purpose Built Backup Appliance Tracker 2019Q4, March 2020
2. Dell EMC references: https://community.emc.com/docs
3. Energy Star Ratings: https://www.energystar.gov/productfinder/product/certified-data-center-storage/details/2250083
4. Databerg report: https://www.veritas.com/content/dam/Veritas/docs/reports/veritas-strike-global-report_a4-sdc2.pdf
5. Cohasset-Veritas NetBackup-SEC+FINRA+CFTC-Compliance Assessment, September 2020

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. Follow us on Twitter at @veritastechllc.

2625 Augustine Drive, Santa Clara, CA 95054
+1 (866) 837 4827
www.veritas.com

For specific country offices and contact numbers, please visit our website.
www.veritas.com/company/contact

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