Top Reasons Veritas NetBackup Beats Veeam

Veritas NetBackup 9.1 vs. Veeam Availability Suite v11

VERITAS™

SUMMARY

Trusted and Innovative leader

Veritas NetBackup™ is consistently recognized by industry analysts and trusted by 87 percent of the Fortune Global 500 to keep their businesses running and protect their most valuable asset: data. In addition, Veritas is continually recognized for its technology innovation now and over its 30+ years of experience. Its latest Innovations provide benefits such as two times faster network performance for scale-out architectures, the use of cloud resources when you need and what you need and abstraction of multi-cloud automatic data protection complexities.

Ransomware Resiliency

Veritas has a consistent 100 percent ransomware recovery record for three consecutive years. Veritas NetBackup Flex and NetBackup Flex Scale Appliances powered by NetBackup software offer built-in powerful, set-and-forget ransomware resiliency features. These features are not matched by Veeam's Bring your own infrastructure (BYO) and set it up/maintain (do it) yourself (DIY) approach in immutable Linux repositories. Veeam Availability Suite also remains plagued by a significant Windows operating system dependency. Remember that ransomware has no sympathy for back doors left open due to human errors, so lesser DIY means lesser risk.

Flexible Deployment Options for All-Inclusive Data Protection

NetBackup is available in a variety of consumption models that offer the deployment flexibility needed to match the unique and dynamic needs of your IT infrastructure without introducing third-party dependencies or dedupe appliances. There is no need to deploy separate products for each public cloud and Nutanix or agents for AIX or Solaris and no need to buy additional licenses for a separate disaster recovery (DR) orchestration product.

Performance & Efficiency

Veritas provides enterprise-class deduplication and performance without relying on any third-party applications or hardware. Veritas has proven petabyte-scale for on-prem as well as SaaS protection, something that is table stakes for today's enterprises and tomorrow's aspiring enterprises. Remember: Data always grows and rarely stays flat or reduces. With Veeam, the risk is increased because although you may not outgrow its scale limits today, you might hit a limit tomorrow. This scale limitation will likely force you to waste money by adding more unplanned hardware purchases just to maintain your service-level agreements (SLAs).

Simple Scalability

NetBackup scales from hundreds to hundreds of thousands of virtual machines (VMs) without the use of multiple domains and delivers better performance while satisfying demanding recovery point objectives (RPOs) and recovery time objectives (RTOs). NetBackup has merged at least three components in the past few releases, enabling simpler scalability, while since version 9.5, Veeam has added two separate cloud products and 3 new components to its already large list of 14 components. The Veeam Availability Suite is complex and increases the cost when adding more features required in enterprise data centers and does not include Veeam's recent acquisition of Kasten for Kubernetes protection. Also remember that Veeam already has an existing separate product for DR orchestration. The difference in easy scalability between Veeam v11 and NetBackup 9.1 is as clear as night and day.

TOP REASONS NETBACKUP 9.1 BEATS VEEAM AVAILABILITY SUITE V11

Industry Leadership & Innovation

Veritas continues to deliver 16 years of leadership in the Backup & Archiving space based on independent consultant reviews from leading industry analysts. Eighty-seven percent of Fortune Global 500 customers trust Veritas to consistently deliver high-value solutions. These solutions lower total cost of ownership (TCO), minimize administrative overhead and reduce complexity and configuration restrictions for data center backup, recovery, cloud and DevOps environments, eliminating possible third-party dependencies. Rather than acquiring a disjointed solution like Kasten, Veritas chose to build Kubernetes native data protection to keep the promise of a single, all-inclusive solution.

In addition, Veritas has been continually recognized for technology innovation for over 30 years. Cloud usage is controlled by simple principle: Use only what you need and only when you need it. NetBackup 9.1 added auto-scaling of cloud resources, which uses containers to scale up and down as needed in a container form factor. Containers are much more efficient and quicker for resource utilization compared to individually starting and shutting down cloud instances. A proprietary low latency network protocol helps organizations extract twice the performance from their existing network for implementing a software-defined, scale-out architecture for data protection. Lastly, leveraging AI/ML, NetBackup not only issues early warning about failures in backup infrastructure but also alerts against possible ransomware infections.

Ransomware Resiliency

As publicly acknowledged ransomware attacks have repeatedly proved, a single layer of security is not enough. Veritas provides multi-layered security for all types of backups ranging from built-in WORM storage support, on-prem and S3 object lock support in the cloud to the IPS/IDS systems protecting backup appliances from malicious intrusions. Immutability is offered via containers, which are more security robust compared to VMs and physical servers. Additional hardening provides an extra security layer against known exploits while ensuring secure upgrades. It is important to research deeper when it comes to comparing the built-in ransomware resiliency offered by NetBackup vs. the BYO and DIY approach offered by Veeam Availability Suite v11. Veeam's approach places the burden on customers to ensure resiliency is not compromised by malicious users who may exploit sudo privileges or disable immutability for future backups without any alerts or cross-checks. It is also important to note that Veeam does not offer immutability for NAS and Oracle backups as of Veeam v11. Finally, Veeam needs certain paths excluded from the antivirus scanning to work uninterrupted. Veritas has the ability to eliminate all these DIY complexities and immutability limitations. The Veritas Enterprise Data Services Platform enables ransomware detection using backup monitoring as well as primary data source monitoring while offering the ability to lock possibly compromised accounts and delete known ransomware. This unique approach minimizes the impact of ransomware while reducing recovery time. Earlier detection means less ransomware impact, which in turn means faster recovery. It would be prudent to have your security and compliance office compare these aspects for Veritas and Veeam before deciding on a solution.

Flexible Deployment Options

A third-party technology spending research report showed that more than 50 percent of organizations want to implement more long-term technology strategies that provide more flexible and IT infrastructure in the event of future major business disruptions to meet new customer demands and adjust to emerging market realities. The keyword here is "more flexible." Veeam Availability Suite v11 is a software-only, Windows-heavy, non-containerized product. This limitation is likely to pose five key challenges: a complex deployment design, higher TCO for infrastructure requirements, security hardening of the infrastructure, patches and upgrades of Windows on multiple VMs and increasingly complex scalability guidelines. NetBackup is offered as software, virtual appliances, highly scalable integrated appliances and cloud templates, providing consumption choice and flexible deployment models, including a wide choice of operating systems. The NetBackup Flex and NetBackup Flex Scale Appliances provide an all-in-one, purpose-built, hyper-converged solution built on a container-based deployment model that offers quicker time to value and push-button scalability when needed. Containerized components ensure your readiness for the next-gen DevOps model. With Veeam, you must navigate .Net dependencies, external SQL Server deployment and third-party dedupe appliances, complicating the data protection management, maintenance and lifecycle with its rigidity. Veeam's lack of containerization also creates hurdles for modern DevOps adoption pursued by large enterprises.

All-Inclusive Data Protection

Veritas data protection packs tremendous value into a single offering for the licensing cost of consumption. It includes backup and recovery software for every workload it supports, backup infrastructure software and hardware including immutable storage, lifecycle policies for the backup storage, replication without any additional charge (including the ability to leverage database and array replication), tiering to the cloud or on-prem archival storage while retaining deduplication, complete and automated migration, automated DR orchestration and rehearsals, continuous data protection, Kubernetes-native protection and complete monitoring of backup processes and backup infrastructure powered by AI/ML. With Veritas, you know how much you are investing in data protection today and how much you need to invest to support your business growth without having to calculate pricing for SQL Server licenses, dedupe appliances or traditional storage, Windows operating system licenses or add-ons for DR orchestration. You also don't need to account for part of your backup solution inefficiently consuming your production virtual infrastructure. Sizing and cost estimation for large enterprises that have exabytes of data to protect need a straightforward meter, cost predictability and transparency. For example, consider that Veeam charges $380 for three-year protection of five VMs using its Essential license, which does not cover NAS backups, backup infrastructures like storage and third-party licenses such as SQL Server. One can only wonder how much Veeam would charge for an Enterprise Plus license where DR orchestration is still an add-on while Kubernetes protection is separately charged per Kubernetes worker node.

Performance & Efficiency

NetBackup has multiple customers with petabyte scale and protecting hundreds of thousands of VMs. NetBackup SaaS Protection also has a proven petabyte scale. NetBackup supports instant access for VMs, SQL Server and Oracle. Veeam requires manual configuration for instant access of Linux VMs, making instant access much less than "instant." Veeam indicates and recommends the use of third-party deduplication appliances for global deduplication. Deduplication for VMware is at the job level and deduplication for NAS is nonexistent. For maintaining application performance demands, organizations need to size as many as 17 components and deploy as many VMs and physical servers as needed because there is no containerization. In the cloud, although Veeam supports auto-scaling in Azure like NetBackup 9.1, Veeam requires a temporary instance for each AWS EC2 instance.

Automated Data Protection

NetBackup's intelligent policies let you simplify protection across ever-changing and growing virtual and database environments with "hands-off" capability by automating the discovery of assets needing protection and helping to ensure policy-based backups of all data. Integrated with the Veritas Resiliency Platform, NetBackup enables you to recover your business from a potential disaster in a single click. In contrast, Veeam Availability Orchestrator is focused only on VMware infrastructure and does not support any other hypervisors or storage-array replication, forcing you to rely on complex scripting or manual steps for DR orchestration, further complicating your management and increasing overall TCO. NetBackup provides seamless, automated cloud replication and DR for both your workloads and backup infrastructure, reducing cost and management overhead. Veeam software depends on you to set up separate SQL data replication and collection to ensure the disaster recovery of Veeam components. NetBackup Flex Appliances offer automated high availability, ensuring business continuity, and NetBackup Flex Scale Appliances provide a grow-when-you-need-it, software-defined, hyper-converged, scale-out option that also offers automated high availability. Veeam requires manual intervention for processes like failover of your physical backup servers, which can increase management complexity and risk to business continuity. It is quite amusing, therefore, that Veeam refers to its backup and replication server deployed on a physical server as an "Appliance model."

COMPARISON TABLE

Feature	Veritas	Veeam
Layered security against ransomware	✓	X
Container-ready	✓	X
Proven petabyte-scale on-prem and SaaS	✓	X
All-inclusive license model	✓	X
Source-optimized deduplication with built-in global dedupe	✓	X
Windows-independent backup infrastructure	✓	X
Built-in immutability support for all workloads, including NAS and Oracle	✓	X
Wider SaaS protection including Google Drive	✓	X
Mature and simple Oracle data protection	✓	X
Integrated Kubernetes native protection	✓	X
Built-in ransomware resiliency vs. BYO/DIY ransomware resiliency	✓	X

For more information about NetBackup 9.1, visit https://www.veritas.com/protection/netbackup.

ABOUT VERITAS

Veritas Technologies is a global leader in data protection, availability and insights. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on Veritas 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, the 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.

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