# 10 Ways to Boost Backup and Recovery with NetBackup and VMware

VERITAS™

Many organizations have virtualized 90 to 100 percent of their enterprise workloads on VMware, including business-critical applications. Some are also adopting hybrid and multicloud architectures—running VMware on-premises along with VMware Cloud for AWS. In scenarios where critical business data is spread across disparate locations, ensuring a reliable data protection strategy can be challenging. The need to improve recovery point objectives (RPOs) and recovery time objectives (RTOs) along with protecting virtual machines (VMs) and containers are the top two data protection challenges organizations face according to ESG's 2018 Data Protection Landscape study.[1] Faced with increasing threats like ransomware and cyberattacks in addition to power failures, human error, natural disasters and other downtime incidents, organizations need a data protection strategy that will always help them meet their service-level objectives (SLOs).
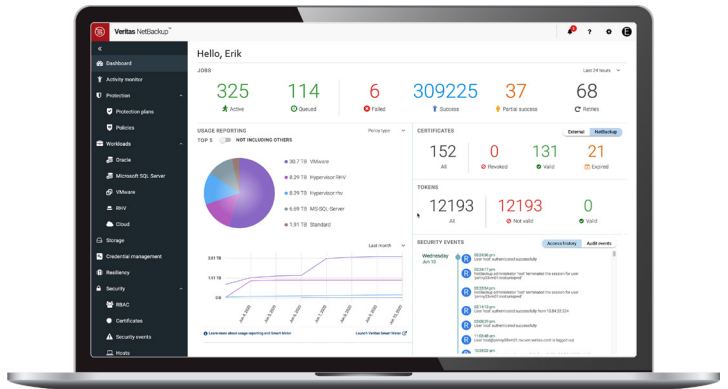
But many organizations are still using data protection point tools across different parts of their IT environments, causing fragmentation, reducing visibility and increasing the risk of extended downtime. ESG's study also shows that consolidating data protection tools and vendors, along with improving RTOs and RPOs, rank among the top five data protection mandates.[2]

Organizations that have consolidated their virtual, physical and cloud data protection on Veritas NetBackup™ consistently meet their service levels and experience near 100 percent backup and recovery success rates. As the #1 data protection solution for two decades and the only solution that can scale from 100s to 100,000s of VMs, NetBackup is a VMware Cloud on AWS and VMware vSAN certified solution. NetBackup is designed to help VM admins instantly access and recover data in just three clicks. NetBackup also offers all-in-one appliances with fully agentless VM protection that can be deployed in under five minutes to protect any file system supported on VMware, with instant access to data.

Read on to learn 10 surprising facts about NetBackup and VMware data protection that ensures the performance, scale and cost-efficiency of VMware environments.
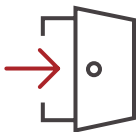
1. GET INSTANT ACCESS TO CRITICAL APPLICATIONS.

With NetBackup Instant Access, VM and workload administrators can quickly access up to 50 VMware vSphere VMs, browse for what they need and get their data back, eliminating reliance on backup administrators.

2. EXPERIENCE 100x FASTER VM BACKUP AND RECOVERY.

Shrinking backup windows and strict RPOs and RTOs increasingly demand better performance and faster recovery of VMs. In a third-party benchmark study, Veritas backed up VMs 45 percent faster than key competitors.[3] NetBackup Accelerator eliminates time-consuming full VM backups that can exceed backup windows by sending only changed blocks that have been deduped for backup, which then are synthesized into a new full backup.
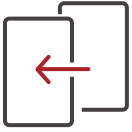
3. MINIMIZE MANAGEMENT OVERHEAD WITH AGENTLESS BACKUP AND RECOVERY.

NetBackup delivers an agentless approach to VMware data protection, allowing VM-level backups at the hypervisor level. This process eliminates maintenance of in-guest clients, freeing up administrators to focus on the more important aspects of their jobs.

4. ENHANCE YOUR RANSOMWARE PROTECTION STRATEGY.

NetBackup, the #1 enterprise backup and recovery solution, offers a unified set of tools to protect IT systems and data integrity with enhanced identity and access management, single sign-on and support for immutable storage. Detect anomalous activities in your backup environment and recover quickly with automation and orchestration.

To learn more about our comprehensive ransomware resiliency strategy, read our white paper

5. AVOID MANUAL ERRORS WITH INTELLIGENT LOAD BALANCING.

Manual performance tuning of large VM environments can be a long and often unsuccessful task. Eliminating these error-prone manual processes with automated load balancing ensures the fastest possible backup performance and success. NetBackup Intelligent Load Balancing automates the distribution of the backup load evenly across physical ESX hosts for fast, efficient backups.

6. SET-AND-FORGET VM DISCOVERY AND INTELLIGENT BACKUP.

According to ESG, 11 percent of virtual machine recoveries fail because the VM was never designated to be backed up.[4] NetBackup Intelligent Policies automates the discovery and policy-based backup of new, changed or moved VMs to ensure all VMs are properly backed up. Intelligent Policies supports VMware Virtual SANs (vSAN), Virtual Volumes™ (vVOL) and TAGs for automatic discovery, protection and load balancing of VMs in those environments.

7. RAPID RECOVERY, PREDICTABLE OUTCOMES.

Automated and orchestrated recovery for VMs off-premises and to the cloud. Granular Recovery Technology allows users to quickly search and select granular VMDK objects without the need to mount and browse the entire VM. Applications are accessible even while they are being migrated back to production.

8. EXTEND TO CLOUD-READY DATA PROTECTION IN A SINGLE CLICK.

NetBackup accelerates adoption of the multicloud in two ways. NetBackup is a certified VMware Cloud on AWS solution, so businesses can confidently deploy VMware Cloud on AWS. In addition, they can benefit from using the public cloud as a storage target for backup data with NetBackup's 60+ cloud connectors for Amazon Web Services®, Microsoft® Azure, Google Cloud Platform, OpenStack™ and other providers.

9. EASY ON YOUR IT BUDGET.

NetBackup physical and virtual appliances have built-in deduplication that may help realize dedupe ratios as high as 98 percent. Organizations can scale to protect thousands of petabytes of data with lower operational expenditures compared to a build-your-own (BYO) software approach and can get up and running in as little as five minutes.

10. ALL-IN-ONE SIMPLICITY, MANAGEABILITY AND PERFORMANCE.

NetBackup's new web-based UI is simple, intuitive and integrated, so many VMware backup and recovery operations can be performed in as little as three clicks. Role-based access control (RBAC) provides secure, auditable access, and VM admins have the flexibility to use the VMware vCenter Server plug-in to manage NetBackup through their familiar consoles. Also included is a growing library of RESTful APIs for integration with leading operations platforms such as Remedy or Ansible.

Learn more at veritas.com/vmware

1, 2. Enterprise Strategy Group, Inc., 2018 Data Protection Landscape, October 2018
3. PlatformLab.com, 3rd party benchmark study, deployed VMs 45% faster than key competitors, June 2016
4. Enterprise Strategy Group, Inc., Protecting Highly Virtualized Environments, Jason Buffington, July 2016

ABOUT VERITAS

Veritas Technologies is a global leader in data protection and availability. Over 50,000 enterprises—including 99 of the Fortune 100—rely on us to abstract IT complexity and simplify data management. 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 supports more than 500 data sources and over 150 storage targets, including 60 clouds. Learn more at www.veritas.com. Follow us on Twitter at @veritastechllc.

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