Veritas NetBackup 9.1

Unified enterprise data protection for the multicloud world.

An accelerated number of workloads are moving to the cloud as new remote working structures become prevalent and employers look to empower their employees with new technologies and collaboration tools to keep their business running.

It is true that most enterprises today have either started their cloud journeys or are leveraging cloud-native tools. When it comes to the cloud, the journey is as important as the final destination.

Understanding this journey and regularly assessing cloud-readiness will lead to successful transitions, but there are things to consider in the process.

84%

of cloud architects and admins-believe cloud data is backedup by the cloud service provider.
(source: Veritas Truth in Cloud Report 2019)

The cost and complexity of managing fragmented point products without adopting a unified data protection strategy can often lead to disaster. The Truth in Cloud report conducted by Veritas asked over 1,600 cloud architects and administrators across 15 countries to share their assumptions and insights on backup infrastructure and ideas about the future of cloud data protection. The results clearly showed that although cloud innovation is virtually everywhere, many organizations are struggling to define best practices in data protection to accommodate the cloud.[1] In fact, when asked about cloud backup and recovery, 84 percent of cloud architects and administrators said they believe cloud data is backed up by the cloud provider. This is a powerful misconception because despite the prevalence of cloud services among today's enterprises, a majority of those responsible for maintaining cloud-based data remain uncertain who is liable for its integrity and recovery.

If organizations choose to simplify and automate disaster recovery (DR) in the cloud, ensuring backup data is optimized while in transit to the cloud and enabling quick recovery of data from the cloud are both vital to their success. And data protection for hybrid cloud environments can pose a variety of challenges ranging from containing total cost of ownership (TCO) to ensuring regulatory compliance. In general, most organizations are wrestling with how to reduce cost and complexity, manage business risks and prepare for the technologies of the future while scaling confidently.

Migrate: Comprehensive workload portability

How do you ensure your data is managed correctly and you have enough copies to make it available and resilient? We're here to guarantee your data gets from where it is to where it needs to go—that's the mission.

With NetBackup, you can:

- Move, copy and store data to or between clouds.

- Automate and orchestrate application lift, shift and recovery.

- Conduct backup snapshot orchestration and right-sized service-level agreements (SLAs) for data movement.

- Drive proactive data compliance and risk identification.

- Lower hardware and cloud storage costs with consolidated client-side deduplication with a single server and without data rehydration.

- Increase operational efficiencies by integrating with vRealize, ServiceNow and other platforms through the API.

- Improve accountability and proactively strengthen security to enable compliance and governance with role-based access control (RBAC) and storage, an external certificate authority, two-factor authentication, proactive smart metering licensing models and Dynamic NAT.

- Accelerate your adoption of cloud use cases (backup to the cloud, archive to the cloud, DR to the cloud, DR in the cloud) and new virtualization technologies (Docker containers, Red Hat virtualization, OpenStack, fully agentless VMware).

- Transfer petabytes of data to the cloud with AWS Snowball.

- Save costs and optimize cloud storage space with Azure incremental snapshots.

- Optimize backup to the cloud and LTR with Azure Archive and AWS Glacier by using unified, end-to-end deduplication.
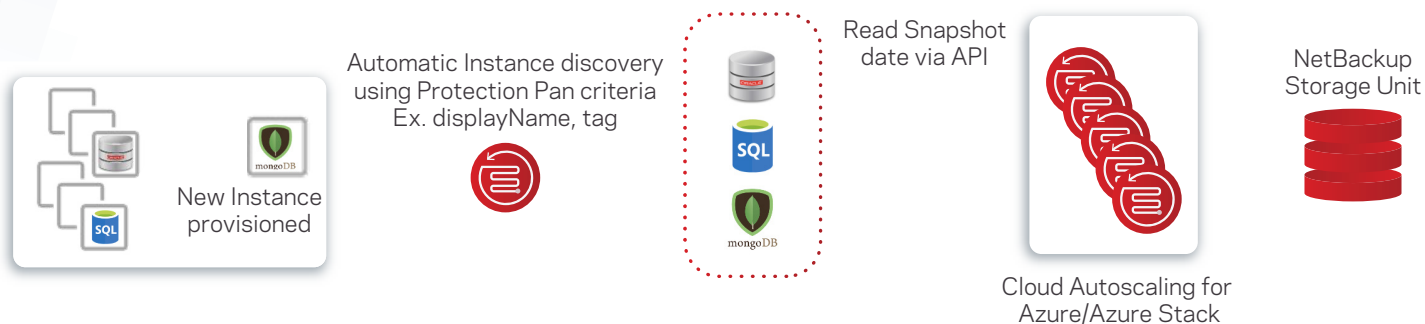
Protect: Unified protection and recovery

Your data isn't static, so how you protect it can't be static either. You need a dynamic solution to protect and recover your data in a tailored way that's right for your business, without having to micromanage siloed products. Having a single data protection platform allows you to define protection needs at a high level and then automate service-level objectives (SLOs) throughout your infrastructure.

With NetBackup, you benefit from:

- Data intelligence and regulatory security-driven protection across traditional, IaaS, PaaS, SaaS, hybrid apps and data.

- Support for 1,400+ storage targets, 800+ data sources and 60+ clouds.

- Lower cost back up and DR by using the cloud as a DR target using NetBackup images.

- Built in anomaly detection with artificial intelligence and machine learning to catch suspect behavior and take immediate action when ransomware strikes, isolating malware and limiting its impact.

- Achieve up to a 100:1 storage cost reduction with backup from snapshot for Azure and Azure Stack.

- Save costs and optimize cloud storage space with Azure incremental snapshots.

- Optimize backup to the cloud and LTR with Azure and Google Cloud Platform (GCP) Archive and AWS Glacier by using unified, end-to-end deduplication.

- Protect backup data from malicious attacks with Deduplication to Immutable Object storage leveraging AWS S3 Object Lock.

- Leverage cloud intelligent policies that backup snapshots to anywhere and utilize the same protection policies on-premises and in the cloud. Supported with AWS, Azure, Azure Stack, GCP.

- Embrace cloud resource autoscaling that ensures that backups do not fail due to insufficient storage by automatically provisioning additional target cloud capacity as needed. Supported with Microsoft Azure.

- Supercharge OpenStack protection, delivering cloud-native, API-driven, dynamic and automated protection with rapid, granular recovery from edge to core to cloud.

- Kubernetes-native solution, both storage and Kubernetes-platform agnostic, NetBackup has the ability to discover, protect, and recover all application components across any Kubernetes distribution, on premises or in the cloud.

New Instance provisioned

Automatic Instance discovery using Protection Pan criteria Ex. displayName, tag

Read Snapshot date via API

NetBackup Storage Unit

Cloud Autoscaling for Azure/Azure Stack

Showcases how backup for snapshots, Cloud Intelligent Policies, and cloud resource autoscaling works

Recover: Reliable NetBackup resiliency

To be resilient, you need to be able to recover from any real scenario—environmental issues, human failure or even security incidents such as ransomware. Your resiliency plan is only as good as your last test. And no data environment is ever static. NetBackup provides a simple, non-distruptive way of validating your resiliency plan for assurance and compliance through automated recovery and rehearsal of business-critical applications. Moving data and spinning up applications when and where you need to without risking data loss requires business-level resiliency. It's not your data that goes down, it's your business.

With NetBackup, you benefit from:

- Multiple recovery time objectives (RTOs) and recovery point objectives (RPOs) to support business service recovery to, in and across clouds.

- Scaled, automated, orchestrated recovery.

- Granular recovery through continuous data protection.

- The ability to reuse replicated data for test and development in the cloud as well as a DR target.

- High speed NetBackup Instant Rollback for VMware can bulk recover VMs in seconds.

- Support for immutable storage for AWS S3 Object Lock

53%
of cloud architects and admins have uptime targetsof 99.99% or higher
(source: Veritas Truth in Cloud Report 2019)
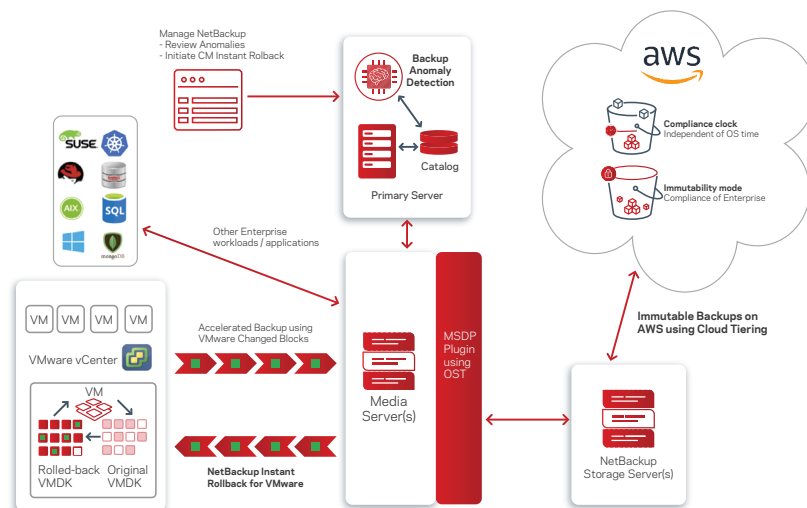
Utilize immutable storage, NetBackup Instant Rollback for VMware, and Anomaly detection to ensure data is secure and recoverable.

ensuring compliance and prevents your data from being compromised.

Optimize: Data visibility and control

As cloud data continues to grow in size and importance, efficiently managing it becomes more important than ever to the business. By using Veritas APTARE™ IT Analytics, which integrates with NetBackup, enterprises can gain the visibility essential to identify underutilized, misconfigured or unindexed IT resources they can repurpose to achieve significant cost savings.

By deploying NetBackup and APTARE IT Analytics, you benefit from:

- Optimized costs and resources: 28 percent reduction in consumed IT resources, 24 percent reduction in consumed storage resources, 5 percent reduction in consumed compute resources and 90 percent reduction in IT management software costs.

- Save 20% in cloud costs by right-sizing before moving workloads to the cloud.

- Correlate NetBackup, media server, and Appliance performance to reduce time to troubleshoot.

- Identify hosts with no recent backups to ensure their recoverability.

- Detect and locate ransomware affected files.

- Actionable insights about data on-premises and in the cloud.

- Recommended classification, protection and recovery actions to mitigate risks.

- Hybrid cloud–enlightened IT and data business analytics.

- Public sector compliance with the Federal Information Processing Standards (FIPS) and two-factor authentication.

- Chargeback that enables IT to operate as a service provider by capacity or performance.

APTARE IT Analytics
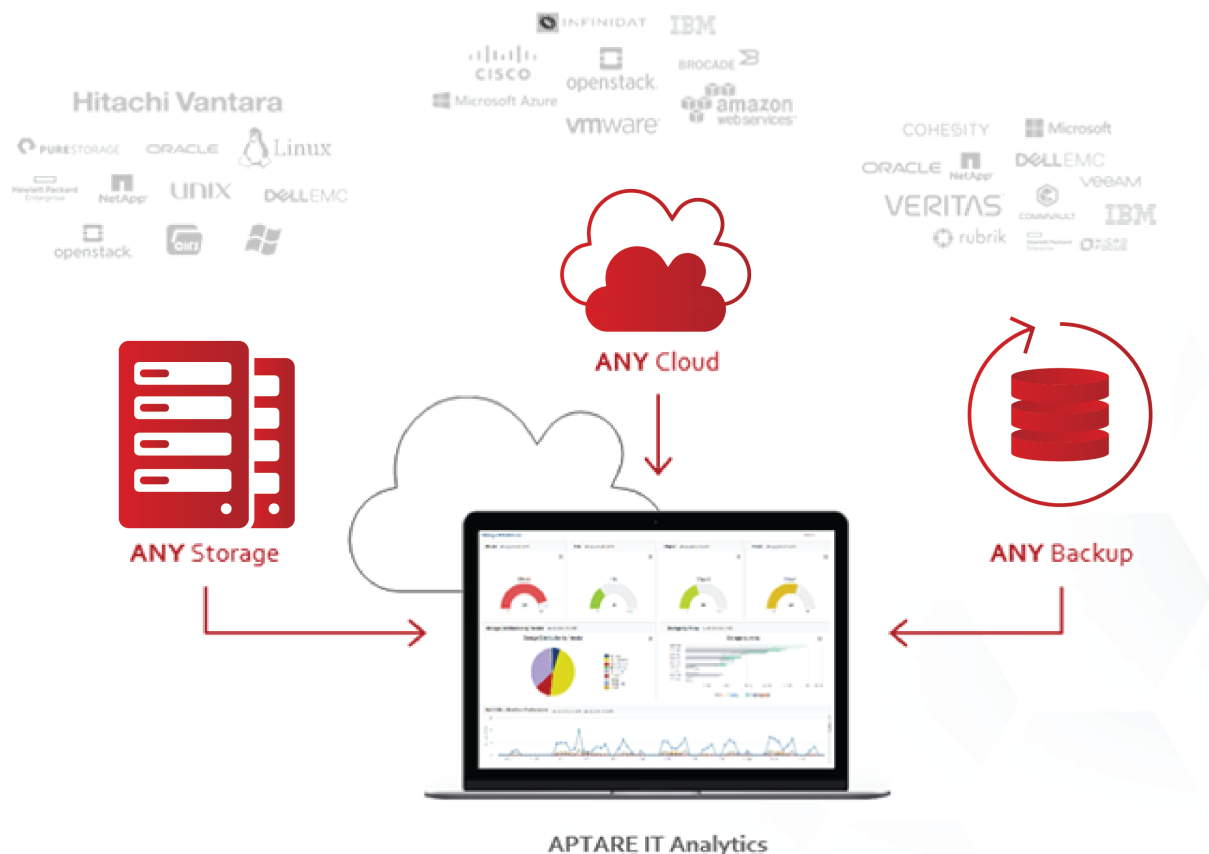
Why Veritas multicloud environments?

Veritas is trusted today to provide enterprise data management to organizations of all sizes, including 87 percent of Global Fortune 500 companies. The Veritas NetBackup 9.1 unified data protection platform protects your enterprise from the unforeseen. It is a software-based, vendor-agnostic platform that is uniquely focused on the value of information rather than the underlying environment. Organizations today need to manage data as a critical asset and need to ensure rapid recovery of critical data during catastrophic events such as lost files, security attacks or unexpected business disruptions. As the #1 in data protection with the most exabytes under management, NetBackup can protect any size workload at scale at petabyte-level capacity, eliminating the need for disjointed point products. NetBackup helps ensure resiliency and on-demand access from anywhere and reduces the risks and costs of storing ever-increasing amounts of data throughout the globe.

The 'always on' nature of digital business also demands the removal of artificial barriers between frequently siloed capabilities to reduce complexity, streamline operations and deliver benefits from synergies that otherwise aren't achievable. By providing deep integrations with freedom of choice from an extensive list of leading cloud service providers, Veritas helps you accelerate your digital transformation with all the advantages of unified enterprise data protection. The result is seamless, automated data lifecycle management and governance that protects your data and applications in the data center, virtually and in the cloud.

For more information, visit www.veritas.com/netbackupcloud

1. Veritas Truth in Cloud Report 2019

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.

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