Today, IT enterprises are undergoing a transformation as they adapt to new remote working structures while looking to empower their employees to embrace 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.

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 shows that although cloud innovation is virtually everywhere, many organizations are struggling to define best practices in data protection to accommodate the cloud. In fact, when asked about cloud backup and recovery, 84 percent of cloud architects and administrators 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 that your data is managed correctly and you have enough copies to make it available and resilient? We’re here to ensure your data gets from where it is to where it needs to go—that’s the mission.
With NetBackup 8.3, 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 or Microsoft Azure.

**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 the protection needs at a high level and then automate service-level objectives (SLOs) throughout your infrastructure.

With NetBackup 8.3, you benefit from:

- Full SLO protection (back up, high availability, DR).
- 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.
- Full SLO protection (back up, high availability, DR).
- Lower-cost back up and DR by using the cloud as a DR target using NetBackup images.
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 Resiliency, you benefit from:

- Multiple RTPO business service recovery to, in and across clouds.
- Scaled, automated, orchestrated recovery.
- Granular recovery through continuous data protection.
- The ability to run instances in the cloud and use the cloud as a DR target.

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 8.3, 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 8.3 and APTARE IT Analytics, you benefit from:

- Optimized costs and resources: 28% reduction in consumed IT resources, 24% reduction in consumed storage resources, 5% reduction in consumed compute resources and 90% reduction in IT management software costs (Source: ESG: https://vknow.veritas.com/content/dam/vknow/sales-central/products-solutions/sales-track/aptare-it-analytics/documents/ESG-Economic-Validation--Veritas-APTARE-Jul-2020.pdf)
- 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 FIPS and two-factor authentication.
- Chargeback that enables IT to operate as a service provider by capacity or performance.

WHY VERITAS FOR MULTI-CLOUD ENVIRONMENTS?

Veritas is trusted today to provide enterprise data management to organizations of all sizes, including 87% of global Fortune 500 companies. The Veritas NetBackup 8.3 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 lets 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 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.