# VERITAS™

The truth in information.

Proactive, Predictable Resiliency for Microsoft Azure.

IT'S A "CLOUD FIRST" WORLD

The cloud has been the next big thing in IT since virtualization, and given that organizations around the world are now adopting it, the cloud has taken the technology world by storm. Businesses are accelerating their move to the cloud as a key element of their digital strategy, whether as a permanent base of operations or as a transitional target for business services. A few years ago, security in the cloud was a major concern for businesses, and more often than not, QA or DevOps services were the first to find a home in the cloud. With public clouds much more secure today and the potential of big capital expense (CAPEX) savings, many organizations are accelerating cloud adoption even for critical business services such as CRM/ERP systems and OLTP-based applications.[1] In fact, IDC's 2016 CloudView survey found that usage of cloud has more than doubled from a couple of years ago, and cloud-spend is set to increase by 44 percent over the next two years.

Although the cloud offers big benefits with the potential for high business returns in the short term, organizations need to stay agile and view the cloud as just one strategic element of an independent business strategy that protects business applications around-the-clock and ensures a strong return on investment (ROI) regardless of where applications are hosted. The key is for organizations to be able to move business services on demand seamlessly to and from any single cloud or even across multiple, disparate clouds as needed.

CLOUD SPEND SET TO INCREASE BY

44%

OVER THE NEXT 2 YEARS
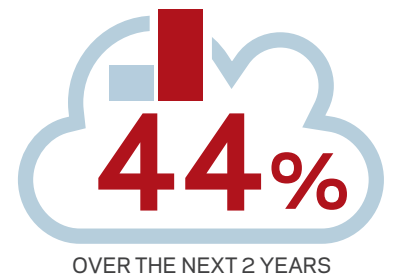
CLOUD ADOPTION DOESN'T NECESSARILY EQUATE TO BUSINESS EFFICIENCY

Whether you're adopting clouds like Microsoft Azure as a permanent location for business applications or as a temporary home for applications in case of a disaster recovery scenario, there are multiple factors you should take into consideration before making the move.

Cloud Migration: Migrating business workloads to the cloud can be tricky and complex due to multiple moving parts. Organizations need to secure business data during the transfer from on-premises to the cloud and also take into account the dependencies within complex, multitier applications. Another potential roadblock is not having the ability to test migrations or to test how workloads perform in the cloud before switching services off-premises. Without advance testing, organizations can potentially incur thousands or even millions of dollars in lost revenue if a migration doesn't go smoothly or applications don't work as expected in the cloud. The biggest risk, however, arises when an organization hasn't carefully thought out its long-term cloud strategy. Today, the move to the cloud may be economical, but in a few years, an organization may want to move applications back on-premises or to another cloud if business priorities change. Without a failsafe for doing so, they may end up harming their long-term ROI.

Cloud Disaster Recovery: Disaster recovery is essential, and whether organizations are adopting a cloud-based disaster recovery approach for their entire business operations or just a part of it, the potential CAPEX savings can be tremendous. It's essential to ensure that operating expenses (OPEX) don't suddenly skyrocket, however. Organizations commonly employ application or workload resiliency measures to maintain business and application continuity. They could be managing resiliency operations across a hybrid cloud architecture where resiliency personnel are not only managing legacy applications in on-premises data centers, but also managing resiliency across new cloud architectures, which requires additional training. Using multiple tools across different sub-environments can also lead to fragmentation, causing visibility and subsequent management issues and leading to an increased risk of downtime. Another key aspect many organizations fail to consider is whether they have a reliable way to test their disaster recovery strategy. Unfortunately, some still rely on an inefficient, all-hands-on-deck manual approach and weekend testing, which can be very costly.

THE VERITAS™ APPROACH: PROACTIVE, PREDICTABLE AND SIMPLE RESILIENCY WITH AZURE

Despite today's often-complex application infrastructures, it's possible to ensure predictable resiliency for your business applications across Azure and multi-cloud architectures. To do so, your business likely requires:

- A unified, automated approach that takes into account resiliency for applications across all locations, including the cloud

- The ability to proactively test and re-test your migration strategy and disaster recovery preparedness easily whenever required, without disrupting normal business operations

- The flexibility to move your business applications to any target location, including the ability to migrate or failback applications from the cloud to on-premises at a moment's notice

Veritas takes a unified approach to simplify business resiliency. The direct integration between Veritas Resiliency Platform and Azure lets you seamlessly extend your existing business architectures to the public cloud and ensure maximum uptime by moving business workloads seamlessly between on-premises and the cloud according to business needs.

Resiliency Platform can offer fully automated and orchestrated failover and failback for your workloads to and from Azure as part of a wide-area disaster recovery strategy. You can use this approach for either temporary or permanent consumption of Azure infrastructure. Because Resiliency Platform integrates directly with Azure Managed Disk, recovery of assets to Azure is quicker, especially for IO-intensive applications. Other products that integrate with Unmanaged Disk storage alone need to convert from Unmanaged Disk to Managed Disk. Resiliency Platform also automates migration and recovery testing, so you can test or rehearse all recovery operations before runtime via non-disruptive rehearsal procedures that include automated cleanup. This capability allows you to dramatically increase your disaster recovery readiness and lower both the risk and impact of unplanned downtime.

SEAMLESS MIGRATION FOR COMPLEX, TIERED APPLICATIONS BETWEEN ON-PREMISES AND AZURE

Your business applications shouldn't be tied down to just one location. Instead, you should be able to move applications and data easily anywhere you want, depending on your business and budgetary needs, whether it's to the cloud or even back to an on-premises location.

With Resiliency Platform, you can seamlessly move even the most complex workloads between on-premises and the cloud with a single click and migrate workloads including IO-intensive applications to Azure quickly via direct integration with Azure Managed Disk. Plus, you can ensure your business stays agile and flexible with the option to failback services to on-premises, as needed.
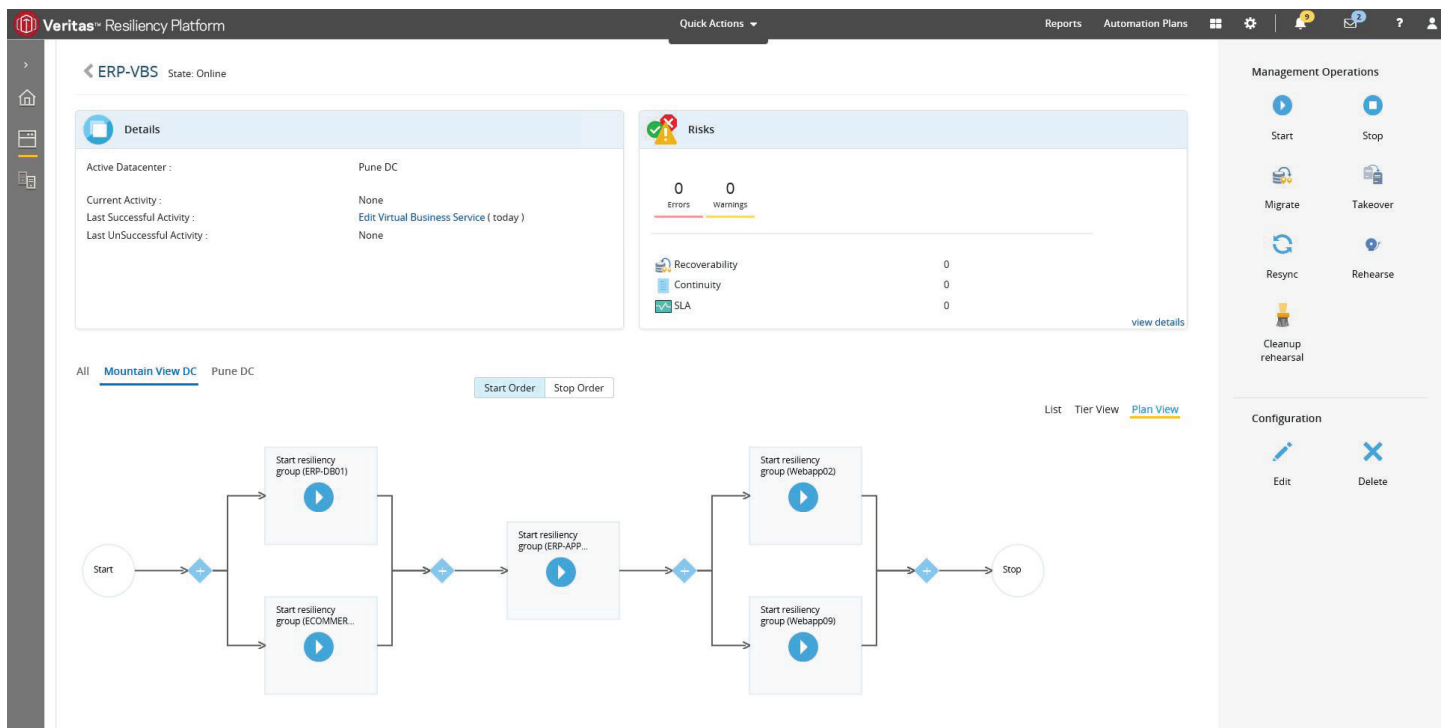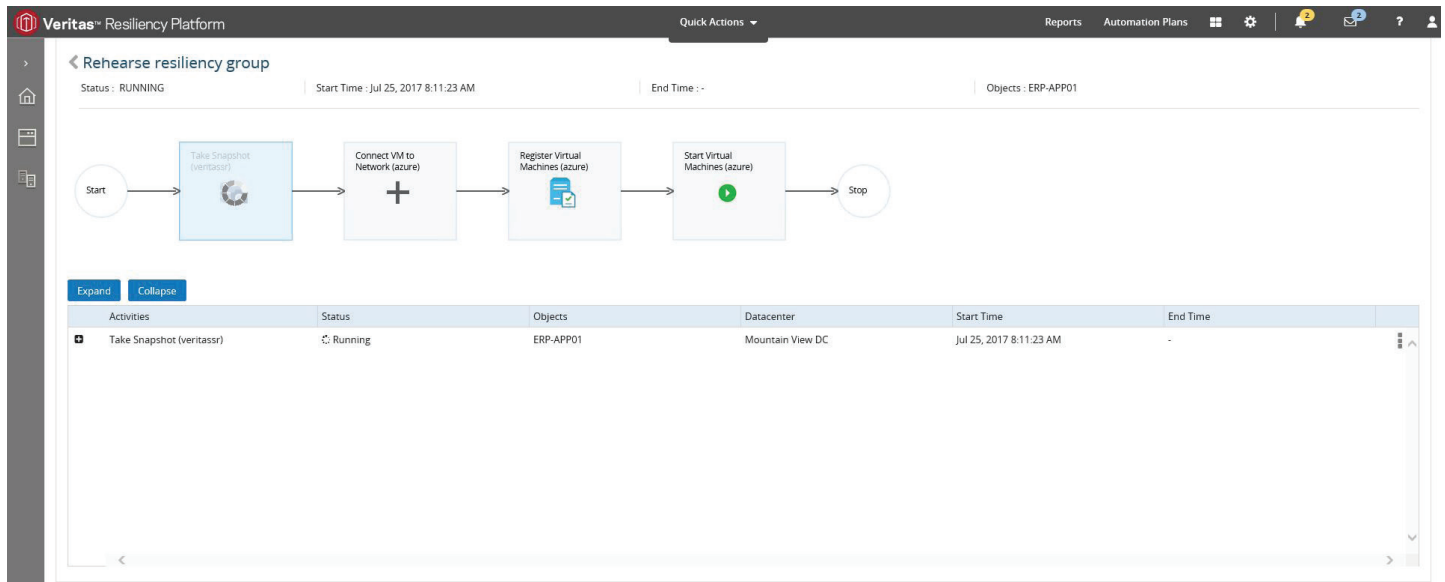

Seamless migration of workloads from on-premises to Azure with the click of a button

FASTER RECOVERY TO AZURE VIA DIRECT INTEGRATION WITH AZURE MANAGED DISK

Using one-off point tools for cloud-based disaster recovery may negatively impact your recovery objectives. Adopting the cloud to minimize data center costs doesn't mean you should compromise on the recovery objectives you are used to on-premises. It's essential to ensure an achievable recovery posture where your critical business applications consistently meet defined business Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs).

Resiliency Platform lets you recover your critical workloads or even your entire site to Azure your way—with a single click or with controlled recovery options. You can also orchestrate seamless recoveries for complex, tiered workloads to Azure, ensuring all application dependencies are honored. Ensuring proactive recovery readiness with Resiliency Platform is simple, with fully automated and non-disruptive recovery rehearsals you can run at any time without affecting your running production environments or requiring an all-hands-on-deck approach. The Veritas solution provides testing for recovery and migration to Azure with automated cleanup and detailed reporting, so your business can prove compliance to any internal or external business continuity mandates.

Test disaster recovery preparedness with a single click

EXTEND ON-PREMISES RESILIENCY TO AZURE WITH A UNIFIED, MULTI-CLOUD STRATEGY

Don't let your current on-premises workload and application resiliency strategy keep you from moving to the cloud. Confidently expand from on-premises to multi-cloud architectures with a resiliency plan that scales easily and cost-effectively as you innovate while also ensuring your application environments don't become fragmented.

With Resiliency Platform, you can easily adopt Azure with a resiliency strategy that cost-effectively scales from on-premises to the cloud so you aren't using multiple point tools across different parts of your environment. Choosing a single resiliency solution that spans on-premises, legacy environments and the cloud saves on OPEX and avoids environment fragmentation, increases visibility and minimizes the risk of downtime. You get real-time and historical SLO monitoring and reporting across your entire hybrid environment along with single-pane-of-glass visibility, so you stay informed about your business IT health. And your IT team only needs to be trained on one, easy-to-use, unified resiliency platform interface.
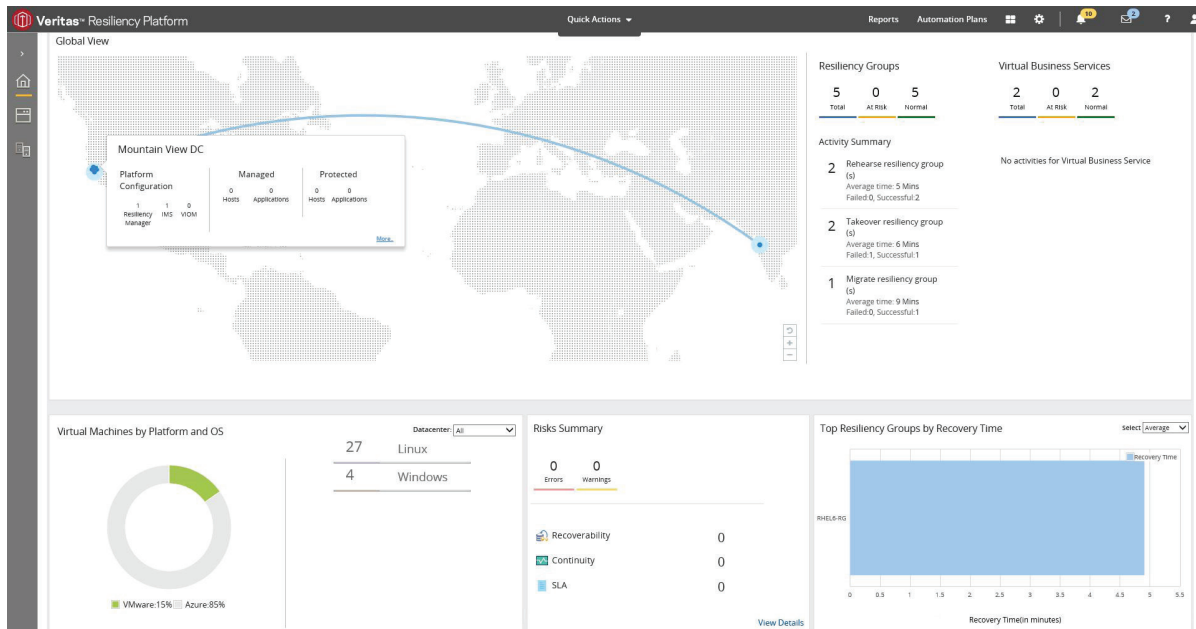
A single web-based dashboard for easy business IT health visibility across on-premises and the cloud

PROACTIVE, PREDICTABLE RESILIENCY MADE SIMPLE IS KEY TO ACHIEVING 360 DATA MANAGEMENT WITH AZURE

Organizations today require enterprise and cloud data management solutions that will reliably protect the right data, help ensure resiliency and on-demand access from anywhere and reduce the risks and costs of storing increasing amounts of data throughout the globe. The 'always on' nature of digital business also demands the removal of artificial barriers between these frequently siloed capabilities to reduce complexity, streamline operations and benefit from the insights and synergies organizations can't achieve otherwise.

Resiliency Platform's direct integration with Azure allows you to implement a cloud-enhanced digital IT strategy confidently and cost-effectively without compromising on what's critical to your business success: maximized business uptime via proactive and predictable hybrid cloud business resiliency.

By providing unique integration and support with the Azure cloud to deliver global data visibility, unified data protection, simple workload migration, orchestrated disaster recovery and optimized application performance, Veritas enables you to accelerate your digital transformation while leveraging your existing investments to establish a reliable foundation for the future.

ABOUT VERITAS TECHNOLOGIES LLC

Veritas Technologies empowers businesses of all sizes to discover the truth in information—their most important digital asset. Using the Veritas platform, customers can accelerate their digital transformation and solve pressing IT and business challenges including multi-cloud data management, data protection, storage optimization, compliance readiness and workload portability—with no cloud vendor lock-in. Eighty-six percent of Fortune 500 companies rely on Veritas today to reveal data insights that drive competitive advantage. Learn more at **www.veritas.com** or follow us on Twitter at **@veritastechllc**.

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