



Top 5 Backup and DRaaS Considerations To Strengthen Your Multi-Cloud Strategy

Enterprise IT is embracing multi-cloud as the go-to model for cloud deployments. While this trend gives organizations more flexibility overall, it puts added pressure on IT to manage backup and recovery in a more complex environment. By leveraging a single platform for cloud backup and disaster recovery as a service (DRaaS), IT can simplify management and ensure Availability across every cloud and any application. Here's how:

**Factor No. 1:
A Single Platform****Factor No. 2:
Multiple Clouds,
Multiple
Capabilities****Factor No. 3:
Best-of-Breed
Functionality****Factor No. 4:
Cloud Ubiquity****Factor No. 5:
Choosing the
Right Vendor**

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By 2019, nearly 81% of enterprises are adopting a multi-cloud strategy.¹ The shift to multi-cloud is a relatively recent phenomenon that increases complexity for a variety of important IT functions. One of these is backup and disaster recovery—particularly crucial at a time when enterprises are dealing with massive data growth, digital transformation, the Internet of Things (IoT) and other initiatives that require always-on Availability.

Simply put, as you use more clouds, it becomes more difficult to manage backup and recovery and ensure Availability for business-critical applications. As far as multi-cloud is concerned, there's no going back. So, going forward, you need solutions that let you consolidate management of multi-cloud Availability into a single platform for all of your needs, including on-premises infrastructure and any public cloud platform you choose.

With the right solution, you can lower costs and reduce complexity by leveraging multiple service offerings, including cloud backup, DRaaS, infrastructure as a service (IaaS) and SaaS data protection, as well as cross-cloud data protection. This will empower you to manage and ensure business continuity **to** multiple clouds; **from** multiple clouds, and **within** multiple clouds.

These are the top five factors to consider in choosing the right cloud backup and DRaaS solution for your multi-cloud strategy.

Factor No. 1: A Single Platform

Cloud computing enables you to leverage enterprise-grade DRaaS and backup capabilities that are a fraction of the cost of building a dedicated hot site. With the right DRaaS solution, you can achieve recovery time objectives (RTOs) and recovery point objectives (RPOs) of less than 15 minutes for all applications and data. In addition, with cloud backup you can avoid the risk of catastrophic loss by simply and inexpensively moving your physical and virtual backups offsite to a hosted cloud repository.

The challenge for IT, however, is to ensure that the organization can leverage these benefits across all cloud environments. The last thing you want is separate silos for disaster recovery and backup, which is one of the risks inherent in multi-cloud environments. This will make it difficult to achieve consistent service-level agreements (SLAs) across the business and guarantee recovery in a timely manner for all applications.

You need a platform that enables you to support DRaaS and cloud backup using any cloud provider of your choice. This will empower you to ensure Availability at any stage of your cloud journey—whether your organization is already using multiple clouds, or whether you are new to the cloud. With a single platform, you can significantly reduce the complexity of managing disaster recovery and backup in multi-cloud environments, while using a consistent set of management tools, features and capabilities from a centralized console. With the right platform, you can achieve:

¹ "Veeam: Availability for Today's Multi-cloud Enterprise," Veeam, 2018

- **Non-stop business continuity** to instantly recover any application, any data, on any cloud.
- **Digital transformation agility**, with multi-cloud management and migration enabling you to choose the cloud provider of your choice for any application or workload.
- **Analytics and visibility**, with actionable insights for data management, operational performance and compliance.

Factor No. 2: Multiple Clouds, Multiple Capabilities

Within the single platform you should be able to choose from multiple service offerings to address all of your business continuity needs. Not every application and workload will require replication and full site failover, for example, but you want to make sure you can leverage those features for those business-critical applications that require them. For multi-cloud and DRaaS, critical capabilities to look for are:

- **Backup to a public cloud:** Simply and easily move your physical and virtual backups to the public cloud through a secure SSL connection. You want to leverage the same solution to back up directly to any public cloud service or to a managed service provider (MSP) that will enable you to reduce the risk and overhead associated with managing backup and disaster recovery.
- **Public cloud for on-demand recovery:** You want flexibility in using public cloud for on-demand recovery so you can recover all your data and applications quickly, without the need to build or maintain a costly recovery site. With the right solution, you should be able to simplify network configuration to move data to and from the cloud while eliminating complicated virtual private network (VPN) installations.
- **Replication to a service provider:** You can achieve true cloud-based disaster recovery for all applications by using a solution that offers affordable and efficient replication. Make sure your provider works with leading MSPs that specialize in DRaaS. Also make sure you have the flexibility to meet the SLA requirements of all your applications, whether that is full-site failover to a remote DR site, or full and partial failback to restore normal business operations

Perhaps most important, these features and functions must be easy to use, intuitive and simple to manage.

Factor No. 3: Best-of-Breed Functionality

Delivering Availability and business continuity in multi-cloud environments is much more challenging and complex than on-premises or even in a single cloud. In addition to a single platform, you should leverage solutions that deliver best-of-breed capabilities in protection and Availability designed specifically for highly virtualized cloud environments.

Perhaps most important, these features and functions must be easy to use, intuitive and simple to manage. One of the biggest challenges in multi-cloud is reducing complexity, so

you don't want to trade off simplicity for functionality. You need a solution that offers best-of-breed functionality and ease of use. Key features to look for are:

- **High-speed recovery** with RTOs and RPOs of less than 15 minutes for all applications in any cloud.
- **Multiple granular retention** policies to meet the SLA and compliance requirements for all data and applications.
- **Visibility and control with verified recoverability** and the ability to manage all workloads, including multi-cloud environments, from a single console.
- **Advanced security protections**, including end-to-end encryption to protect data in flight and at rest.

One of the business continuity challenges that is specific to multi-cloud environments is the need to extend backup and DRaaS capabilities to data and applications that run across clouds.

Factor No. 4: Cloud Ubiquity

You don't want to be limited in your choice of cloud provider or whether you choose to deploy specific applications in public, hybrid, private or multiple clouds. Therefore, you need a cloud backup and DRaaS solution that works seamlessly with every major cloud provider and has a broad ecosystem of managed service providers to support you at every stage of your cloud journey.

One of the business continuity challenges that is specific to multi-cloud environments is the need to extend backup and DRaaS capabilities to data and applications that run across clouds. In choosing an Availability solution make sure it enables backup and data replication in and across clouds, as well as in and across regions and data centers. This will enable you to empower business continuity for applications that operate across multi-cloud environments.

Factor No. 5: Choosing the Right Vendor

In choosing the right vendor for your cloud backup and DRaaS solution in multi-cloud environments, you should be looking for a provider that meets all of the requirements discussed throughout this paper:

- A single platform for all of your backup and DR use cases.
- Multiple deployment options to meet SLA and compliance requirements for different applications and workloads.
- Simple to use and deploy, with best-of-breed Availability features and functionality.
- Support for any cloud environment, with a large ecosystem of MSPs to simplify implementation of backup and DR best practices.

In meeting these business-critical Availability objectives, Veeam is a leader in data protection for the multi-cloud enterprise, with strong alliance partnerships and seamless technology

integrations with the leading public cloud providers, including AWS, Microsoft Azure, and IBM Cloud and an ecosystem of more than 18,000 managed cloud providers. Veeam cloud backup and DRaaS solutions enable you to:

- Achieve RTOs and RPOs of less than 15 minutes for all applications.
- Ensure Availability with full-site failover to a remote DR site through a secure Web portal.
- Restore normal business operations with full and partial failback leveraging 1-click failover orchestration.
- Simply move physical and virtual backups to the cloud through a secure SSL connection, with no additional Veeam licensing required.
- Leverage complete visibility and control, with the ability to easily access and recover data in hosted backup repositories directly from the backup console.
- Achieve verified recoverability and guaranteed recovery of every file, application or virtual server every time.
- Enhance multi-cloud security by leveraging end-to-end encryption to, from and across cloud environments.

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Conclusion

Multi-cloud is here to stay because it delivers significant value and flexibility to enterprises, providing IT teams with the ability to leverage the cloud of their choice to meet the needs of specific applications and workloads. However, in deploying multi-cloud environments, IT decision-makers must focus on Availability and make sure they are addressing the increased complexity challenges of the multi-cloud world.

Doing so requires a single platform for cloud backup and DRaaS, leveraging best-of-breed technologies for any cloud platform. Veeam is the leading provider of Availability solutions for today's multi-cloud enterprise. To learn more about how you can leverage leading cloud backup and DRaaS solutions for your multi-cloud environment, please visit Veeam at:
<https://www.veeam.com/multi-cloud-enterprise.html>
