



5 Hybrid Cloud Backup and Disaster Recovery Mistakes to Avoid

Every company expects to have some of their applications or infrastructure in the cloud by 2021.¹ Yet most won't fully achieve the agility and cost benefits of cloud because the move to hybrid cloud adoption may compound the problem of [mass data fragmentation](#). Legacy products not born in the cloud era are ill-equipped to support modern data management objectives, particularly hybrid cloud backup and disaster recovery. Teams using such solutions as well as teams trying to force-fit existing point products into doing more than they were designed for commonly make five big mistakes when it comes to cloud — all of which a modern data management solution will help you to avoid:



1 Assuming your cloud data is backed up

Although adopting a fully hosted and managed cloud service relieves many IT management tasks, backup isn't one of them. Assuming backup will take place by default puts your business at risk because most cloud providers operate a shared responsibility model. They focus on high-availability of physical infrastructure (i.e., data centers, servers, wiring, etc.). Your business is responsible for the data, including access, governance, backup, and recovery. Look for a web-scale data management solution that consolidates and protects all your data in the cloud and on-premises — without requiring bolt-on cloud gateways.



2 Believing you can retrofit point solutions for cloud

Complexity doesn't have to be a byproduct of introducing cloud into your IT vision. Yet that's exactly what happens when you rely on legacy and/or disconnected point products for your on-premises and cloud backup. Why? Because each additional tool adds complexity. A bolt-on cloud gateway alone adds a new hardware expense and management headache when protecting

Mass Data Fragmentation Impacts²

- **More time** – IT teams spend 19 weeks/year managing data and apps infrastructure across public cloud environments.
- **More staff** – IT teams would need to expand by over a third to glean maximum insights from all the data they store across public clouds.
- **More money** – IT budgets would need to increase by nearly half.

69% of businesses use a hybrid cloud solution.³

¹IDG. "2018 Cloud Computing Survey."

²Vanson Bourne. "Mass Data Fragmentation in the Cloud: Global Market Study," 2019.

³Right Scale. "2019 State of the Cloud Report."

data in virtual machines (VMs), databases, containers, physical servers, and the cloud. A modern data management solution works seamlessly across on-premises and cloud environments. It consolidates management of all your data and apps in one place, with global deduplication and Google-like search to make things easy to find and restore. And it turns backup data into a competitive advantage by enabling it to be analyzed or used for dev/test.



3 Thinking snapshots are free

In an on-premises environment, snapshots - a quick copy of data - are commonly stored on the same hardware device or storage array. In cloud deployments, snapshots may be in different tiers, but always in the same region or data center. As your organization moves workloads to cloud, managing snapshots across multiple cloud users, accounts, and providers is hugely challenging. So is protecting hundreds or thousands of VMs or storage volumes from growing silos. Your organization needs a unified, policy-based data management solution—with global search—that lets you easily manage snapshots across accounts—and cloud providers. One that ensures unlimited snapshots for best-in-class storage efficiency and cost.



4 Focusing more on backup than recovery

Backup software is often considered as an insurance policy. Everything is fine, until it isn't. And that's when recovery speed matters just as much as your backup solution's features. Too many organizations focus on backup windows and dedupe ratios, neglecting to prioritize these key recovery capabilities: speed, quality, granularity, and cloud readiness. Look for a modern data management solution that protects backup data with erasure coding and across multi-node clusters to help prevent failures. Select one that can recover data and fail over to the cloud of your choice. Make sure it can restore hundreds or thousands of VMs at once—possible only with a file system designed for parallel data access that significantly improves speed for large scale recoveries. The right data management solution also ensures you and your team can search for the exact data you need, so you don't have to scramble to find the right point in time to recover from.



5 Going about disaster recovery without a plan

Despite regular reports of natural disasters and cyberattacks, 5% of organizations still don't have an actionable disaster recovery plan. Of those that do, 29% have never tested their plans, and 34% have experienced outages from improper failover to the cloud.⁴ A modern data management solution ensures data recovery preparedness for continuity of operations. It lets your organization rapidly retrieve and recover data when it's needed, no matter where it's stored. It works by replicating data, converting VM formats between clouds, and spinning up VMs in a matter of hours or minutes to meet fast recovery time objectives. To ease all the steps of your disaster recovery process—from documentation to regular testing—a modern solution includes seamless automation and orchestration tools.

Avoid These Common Mistakes with Modern Hybrid Cloud Backup and Recovery

Built for modern IT, a web-scale, software-defined data management solution spans hybrid cloud. It runs on any hardware or virtual cloud infrastructure and features seamless, accredited, native cloud integration — with Amazon Web Services, Microsoft Azure, Google Cloud Platform, and other service providers — without additional bolt-on cloud gateways. You adopt one globally efficient platform, providing universal protection that ensures you manage less, and innovate more without making critical hybrid cloud backup and recovery mistakes.

Download this [eBook](#) to learn more about hybrid cloud backup and disaster recovery.

⁴[Spiceworks](#). "Disaster recovery survey." and Cohesity research.