



EBOOK:

Backup & Recovery on AWS





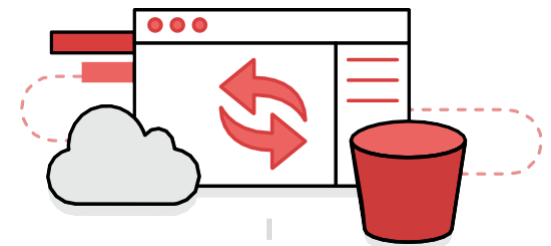
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Backup and Recovery on AWS

Amazon Web Services (AWS) backup and recovery services allow customers to leverage Amazon object storage services like Amazon Simple Storage Service (Amazon S3) and Amazon Glacier for cost-effective online storage of their backup data. Storing data in Amazon object storage eliminates the cost and maintenance needed to manage an on-premises storage solution. Amazon object storage is scalable, allowing organizations to use and pay only for what they need. Implementing a secure and durable backup and recovery solution is useful for organizations in cases of data loss, logical errors, or recovery of data for audit purposes. In addition to Amazon S3, services like Amazon Glacier offer customers storage services for data archiving and long-term backup for small to large amounts of data for significantly less than the cost of on-premises storage solutions. On-premises storage solutions for backup and recovery often require a large upfront investment and ongoing specialized maintenance, but Amazon Glacier and Amazon S3 allow organizations to pay for storage per gigabyte and eliminates the need for ongoing maintenance. AWS Partner Network (APN) Partners offer solutions that, when combined with AWS, deliver secure, efficient and durable backup and recovery solutions for organizations of any size.

Secure, efficient and durable backup and recovery solutions for organizations of any size.



AWS Object Storage Services



Amazon Simple Storage Service (Amazon S3)

Objects storage designed to store and access any type of data from anywhere on the web. It is designed to deliver 99.999999999% durability and scale past trillions of objects worldwide.

Amazon S3 Transfer Acceleration

Fast, easy, and secure file transfers over long distances between clients and S3 buckets. Transfer Acceleration leverages Amazon CloudFront's globally distributed edge locations, by routing data as it arrives at an edge location to Amazon S3 over an optimized network path.



AWS Storage Gateway

Seamlessly enables hybrid cloud storage with local integration. It combines multi-protocol storage appliance with highly efficient network connectivity to deliver virtually unlimited scalability.

AWS Object Storage Services Cont.



Amazon Glacier

Secure, highly durable, and low-cost storage service designed for data archiving and long-term backup.



AWS Snowball

Secure petabyte-scale data transport solution reducing network costs and transfer times for transferring large amounts of data to the cloud.

AWS Snowball Edge

Secure 100TB data transfer device with on-board storage and compute capabilities.

AWS Snowmobile

Exabyte-scale data transfer service to move extremely large amounts of data to the cloud (up to 100PB per Snowmobile) via a secure 45-foot long ruggedized shipping container.

0-Downtime



Our end-to-end services extend across the various cloud layers – from Business Process as a Service, Software as a Service, and Platform as a Service to Infrastructure as a Service – and include strategy, system integration, engineering, application development and infrastructure.

0-Downtime helps businesses at every stage of Cloud adoption. Whether you are considering cloud migration for the first time, or you are a “cloud-first” company, 0-Downtime has services that will help you get more from the cloud.



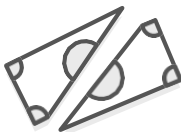
AWS Storage Partner Benefits

AWS APN Storage partners enhance the backup and recovery experience by leveraging AWS for durable and secure data backup.



Reduced Hardware Investment

The online, distributed data storage design of the AWS Cloud eliminates the bottlenecks and constraints of on-premises disk and tape solutions. Instant replication ensures your data is safe by automatically generating three copies of your data to different AWS Regions.



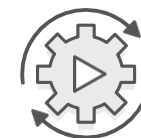
Lower Operational Costs

Use a solution you know and trust, now with AWS as the storage target. Pay-as-you-go pricing ensures you only pay for the resources you consume, eliminating the need to over-provision for peak demand. Lifecycle policies automate the migration of data between storage tiers to remove manual overhead, minimize management complexity, and further reduce costs.



Faster Data Recovery

Amazon S3 gives you control over the region in which your data resides, to minimize network latency for easier and faster data recovery. Online storage provides faster recovery than that of tape, with millisecond latency.



Why 0-Downtime

Cloudsurance, the DR solution from 0-Downtime, helps you de-risk your physical infrastructure by creating a low cost footprint on the AWS that acts as a secondary data center. Our unique DR solution helps deploy distributed application clusters and services into the cloud by augmenting existing data center services and balances data, into and from, the cloud within established recovery point (RPO) and recovery time (RTO) objectives.

Getting Started

For more information about Backup & Recovery on AWS, visit:

- > **Cloud Storage on AWS:** <https://aws.amazon.com/products/storage/>
- > <https://www.0-downtime.com>
- > <https://www.0-downtime.com/solutions/#cloudsurance>

About AWS

For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted Cloud platform. AWS offers over 70 fully featured services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 33 Availability Zones (AZs) across 13 geographic regions in the U.S., Australia, Brazil, China, Germany, Ireland, Japan, Korea, and Singapore. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs.

To learn more about AWS, visit aws.amazon.com.



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