

Global data 2018

Why do we back up data? Simply put: because we don't want to lose it. Lost data can impact business, brand, and trust while affecting current and future revenue streams as a result.

Data Today and Data Tomorrow

Global DataSphere will grow to 175 zettabytes (ZB) by 2025.* (1 ZB = 1 million petabytes)

Each day, more people are interacting with more data than ever before. IDC predicts that the

If 175 ZB of smartphones were stacked on top of **33 ZB** each other, they would reach the moon 55 times. Global data 2025 175 ZB Due to the exponential growth of data, designing and deploying backup solutions is more complicated than ever before.

Traditional backup solutions such as on-premises backup appliances or tape libraries have long been the default for organizations. And while the technology has improved over time, there are several challenges with legacy and traditional backup infrastructure.

Challenges of Traditional Backup Infrastructure

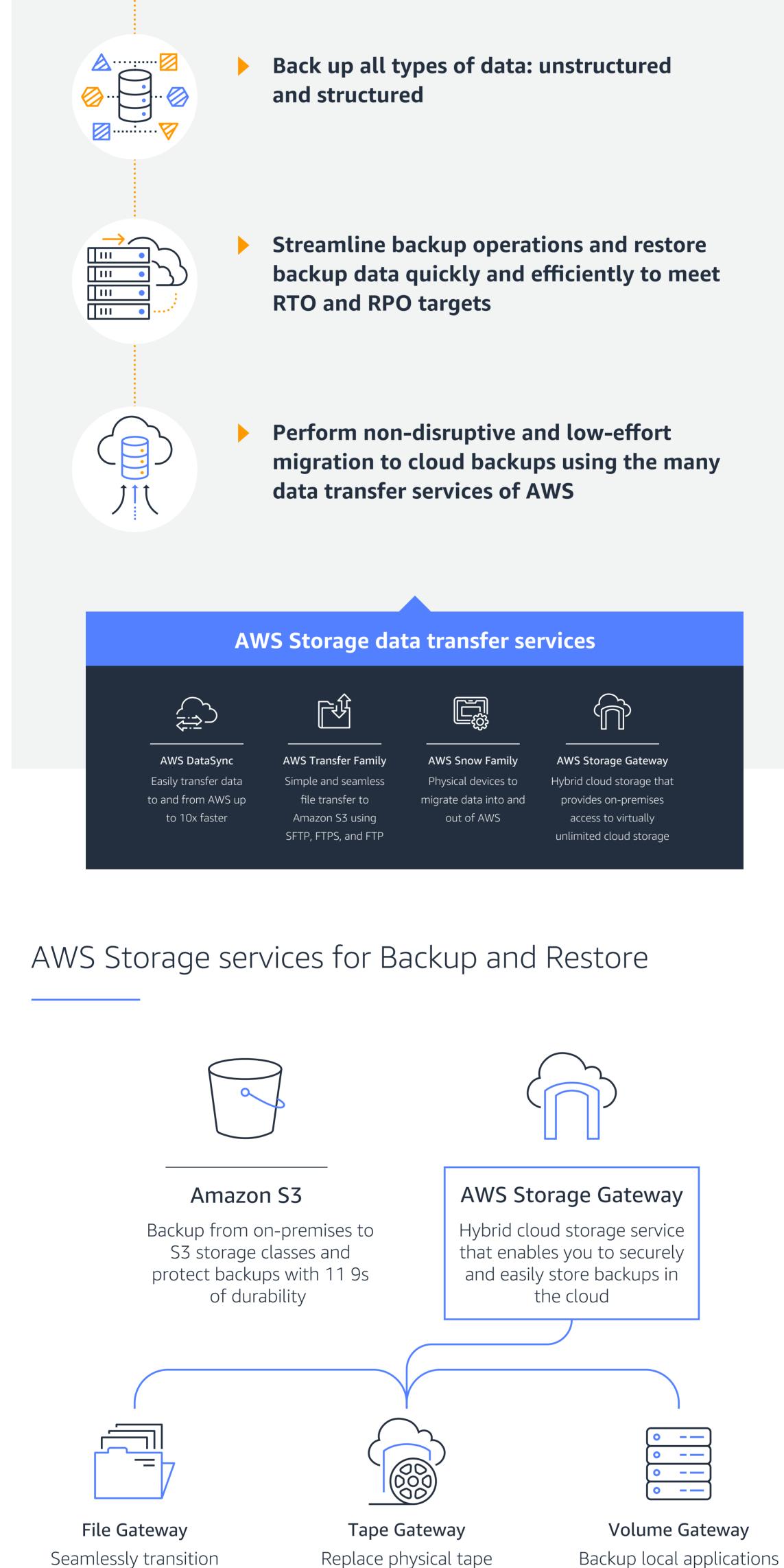




of durability where data is stored across at least 3 geographically separated data centers

Benefits of backing up to AWS Storage

Protect backups with 99.99999999% (11 9s)



Amazon EBS snapshots **Amazon EFS AWS Backup**

backups and application

data to the cloud using

SMB and NFS interfaces

of file gateway

Protect block storage

volumes in AWS with

point-in-time snapshosts

of volumes stored durably

within S3

infrastructure and backup

on-premises data as virtual

tapes to AWS without

making any changes to

existing backup workflows

Create portable database

backups using native

application tools or

enterprise backup

applications and store

them in the cloud

to AWS by taking

point-in-time copies of

gateway volumes in the

form of Amazon EBS

snapshots

Centrally automate and

manage backups across AWS

resources, such as Amazon

EBS volumes, Amazon RDS

databases, Amazon Aurora

clusters, Amazon EC2

instances, Amazon DynamoDB

tables, Amazon EFS file

systems, and AWS Storage

Gateway volumes

tape backups to plan future

projects in strategic roles

Learn more

"Using AWS Storage Gateway, we switched

from physical to virtual tape backup simply

by dropping the gateway's virtual appliance

into our existing Veeam workflow. Setting it

all up took three hours, at most. We can now

provision virtual tapes on AWS with the click

Where a built-in

connector is not

available, use AWS

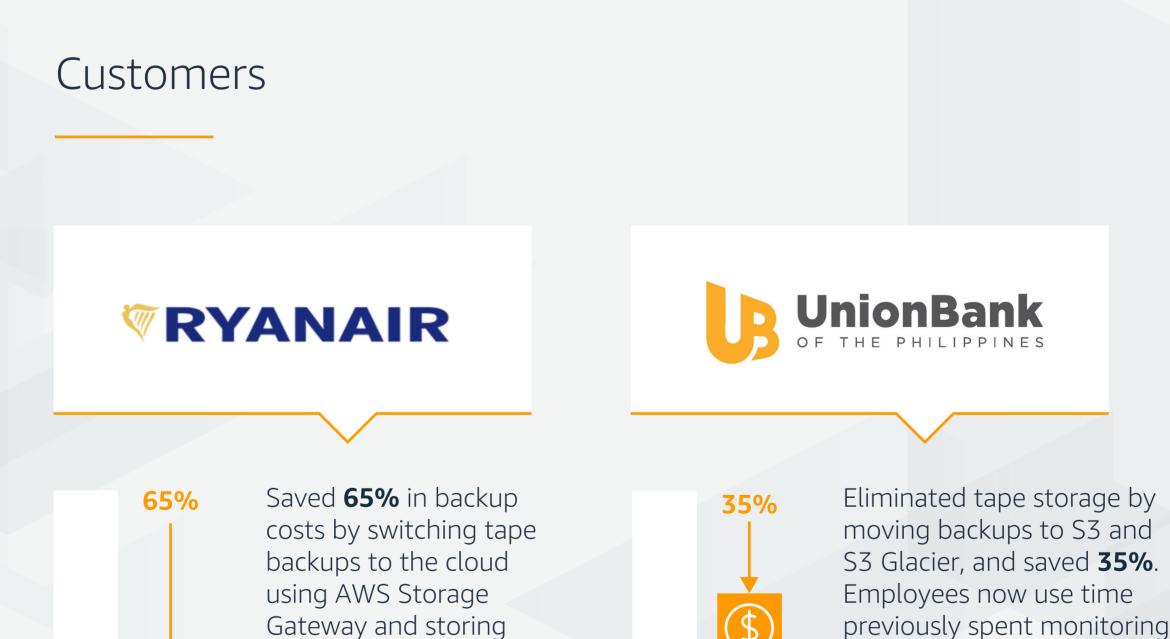
of a button."

Jesse Martinich

Learn more

Network Service Manager

Southern Oregon University

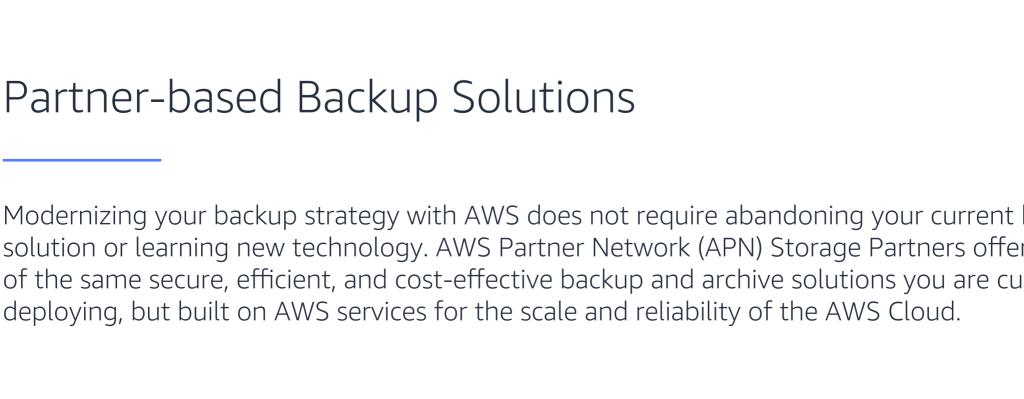


them in S3 Glacier and

Learn more

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S3 Glacier Deep Archive



AWS Partner Network (APN) Storage Partners make it easy to use

AWS Storage for your backups



Almost all major backup

including APN Partners

such as Commvault,

software vendors

Modernizing your backup strategy with AWS does not require abandoning your current backup solution or learning new technology. AWS Partner Network (APN) Storage Partners offer many of the same secure, efficient, and cost-effective backup and archive solutions you are currently deploying, but built on AWS services for the scale and reliability of the AWS Cloud.



aws

Regardless of industry, size, or location, all organizations experience data loss from

an enterprise-wide backup solution that is durable, scalable, flexible and secure.

unintentional human errors to data center outages. While there are measures you can

take to mitigate data loss events, the most effective data-protection method is having

AWS solutions for Backup and Restore Durable • Scalable • Secure

Learn More

aws.amazon.com/backup-restore/