Build scalable, cost-effective disaster recovery to AWS

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Agenda

Why use cloud-based disaster recovery?

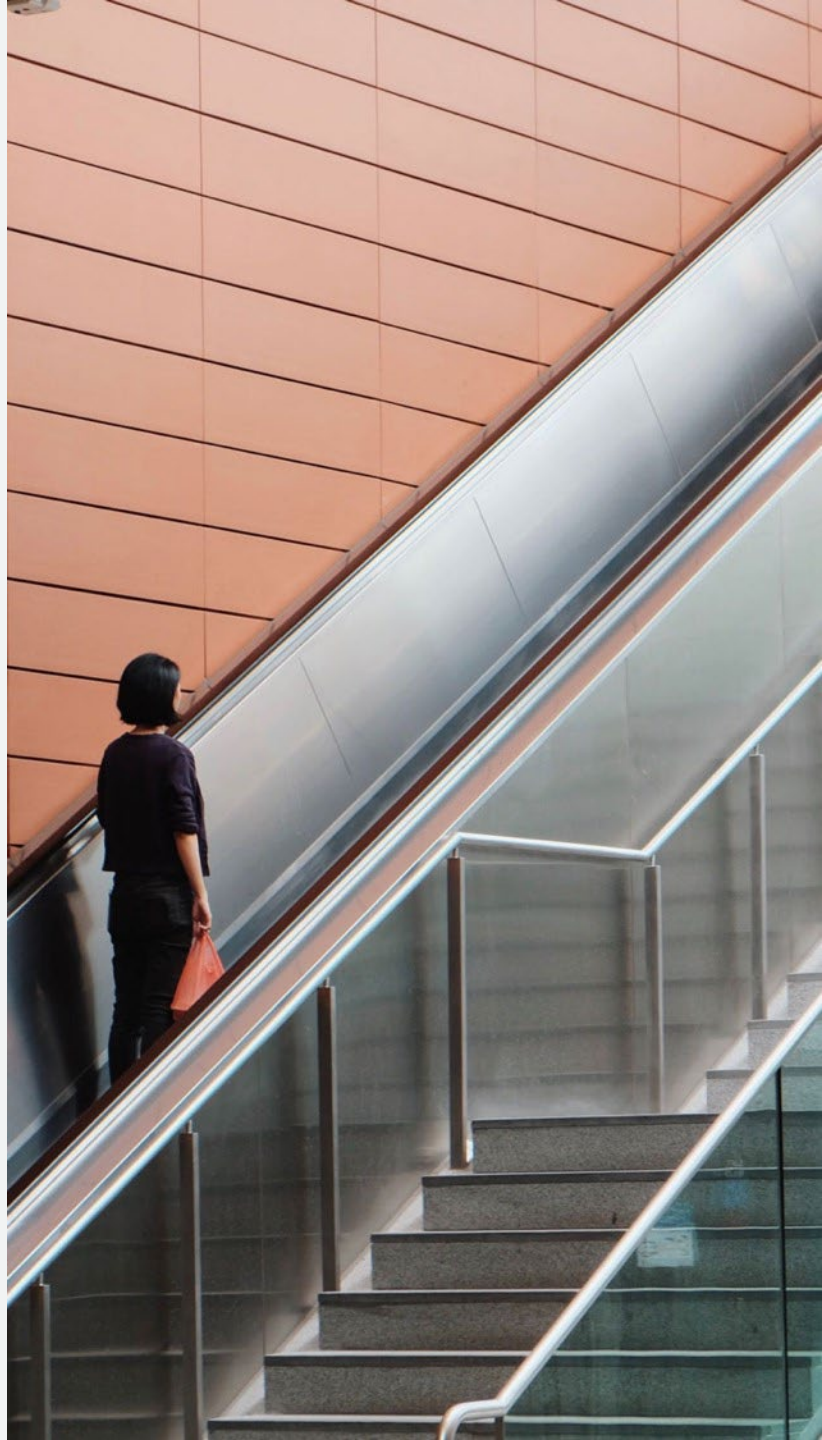
Common disaster recovery challenges

How AWS Elastic Disaster Recovery works

Demo

Customer success stories

Getting started & resources



Why use the cloud for disaster recovery?

Traditional disaster recovery

- Large upfront investment in hardware when production grows.
- New DR hardware requires time to purchase and set up.
- Can be difficult to test without business disruption.
- Management and infrastructure overhead for globally distributed businesses.

Cloud disaster recovery

- Quickly add or remove replicating servers as source environment changes.
- Pay for full DR site only when needed for drills or recovery.
- Easy and repeatable testing, without impacting production.
- Lower IT management overhead.
- Recovered systems up in minutes.

How is disaster recovery different from backup?

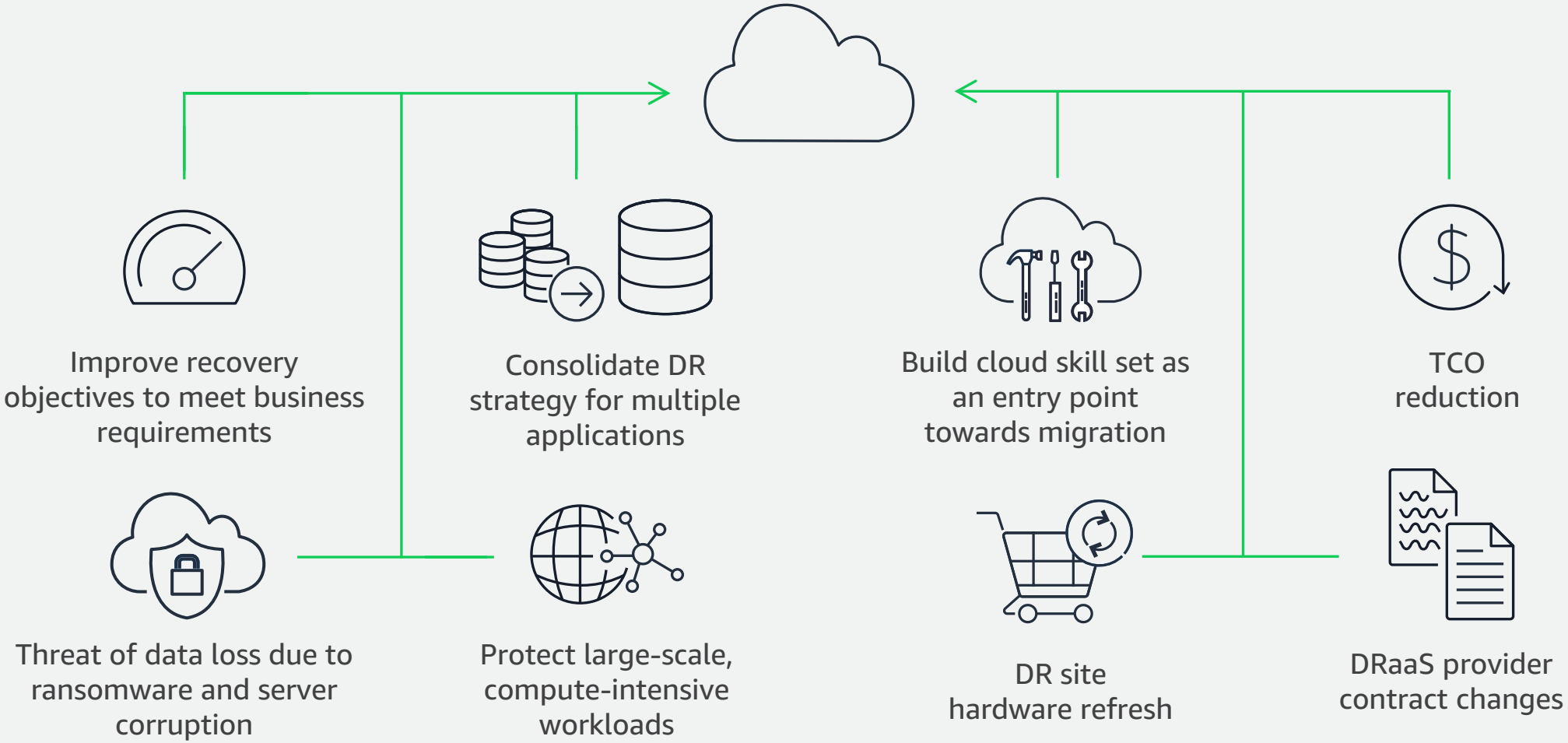
Backup

- Restores data and files
- Recovery objectives of hours or days
- Longer retention period

Disaster recovery

- Recovers entire application and system state
- RPO of seconds, RTO of minutes
- Change-based, continuous replication

Cloud-based disaster recovery drivers



Common disaster recovery challenges

- High cost of idle duplicate resources
- Diverse infrastructure and OS types
- Server compatibility issues
- Inability to achieve recovery objectives (RPOs/RTOs)
- Replicating busy, continually changing workloads
- Tests and drills are expensive and disrupt operations
- Different DR tools or processes for different applications
- Scaling DR site when primary environment changes

AWS Elastic Disaster Recovery benefits

Flexible

Replicate from any source

Supports a wide range of OS, applications, and databases

Remove idle recovery site resources and pay only for what you need

Reliable

Robust, non-disruptive continuous replication

RPO: Seconds
RTO: Minutes

Recover from ransomware, corruptions, and human errors

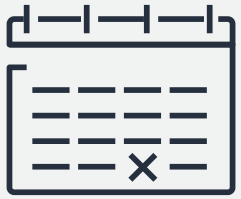
Highly Automated

Minimal skill set required to operate

Easy, non-disruptive drills

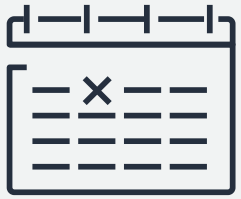
Unified process to test, recover, and fail back

Disaster recovery options: before or after migration



Pre-migration benefits

- Reduce IT resilience costs and improve recovery objectives with AWS as your DR site
- Easily test production workloads in the cloud and speed up your familiarity with AWS
- Set the stage to execute a seamless one-click migration



Post-migration benefits

- Increase resilience of your migrated applications using AWS DRS for cross-region DR
- Prepare environment to quickly recover from data corruption, ransomware, or other malicious attacks
- Automate AWS DRS setup using AWS MGN

AWS Elastic Disaster Recovery lifecycle

Use a single process to recover servers across all supported infrastructure and OS

Set up
Define settings and initiate continuous data replication

Test
Launch instances for non-disruptive tests

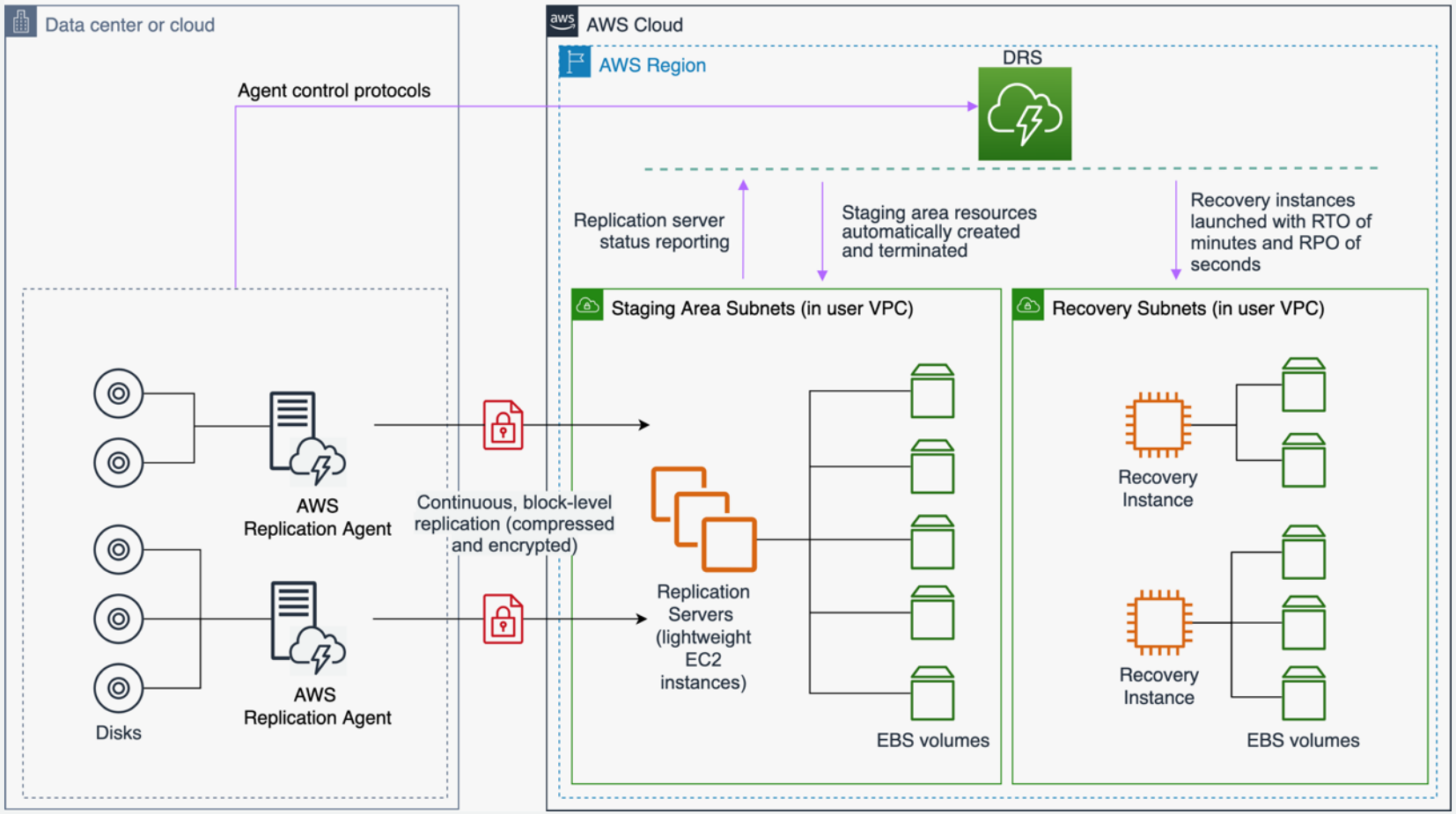
Operate
Maintain readiness with monitoring and periodic drills

Failover
Launch recovery instances on AWS within minutes

Failback
Initiate replication and return to primary site

How AWS Elastic Disaster Recovery works

Continuous replication of on-premises and cloud servers with AWS as your elastic recovery site



Demo

Feature updates

AWS Elastic Disaster Recovery

- Available in 12 additional Regions
- Supports multiple staging and target accounts
- Supports failback automation

AWS Application Migration Service

- Supports automated application modernizations:
  - Configure DR
  - Convert CentOS Linux to Rocky Linux
  - Convert SUSE Linux Subscription

Wide platform support*

Any application	Oracle E-Business Suite, Oracle PeopleSoft, SAP CRM, SAP Hybris, SAP ERP, Apache, SugarCRM, IIS, SharePoint, Active Directory, Exchange, Microsoft Dynamics CRM
Any database	Microsoft SQL Server, Oracle Database, SAP HANA, MySQL, cassandra, mongoDB.
x86 operating systems	Red Hat, CentOS, Oracle Linux, ubuntu, debian, SUSE, Windows Server 2012, Windows Server 2016, Windows Server 2019, Windows Server 2022
Source infrastructure	vmware, Azure, Google Cloud Platform, aws, vmware | aws, Physical Data Centers, Microsoft Hyper-V, openstack., Oracle Cloud, IBM Cloud

Success story: Malibu Boats

- Data corruption occurred on a server running mission-critical applications
- Recovery on AWS in minutes, using a recovery point before data corruption
- Recovered server on AWS had 2x faster performance with the same server specs
- Led to a business decision to significantly expedite migration to AWS

"Being able to virtually recover something in minutes, as opposed to hours and hours, is a real lifesaver. If we hadn't had the ability to recover as quickly as we did, we would have been dead in the water."

- Greg Ward, VP of Information Systems and Technology at Malibu Boats

Success story: Thomson Reuters

- Used AWS Elastic Disaster Recovery to set up recovery site on AWS
- Replicated 300 servers (120 TB) in 10 months
- Eliminated manual DR process
- Reduced RTO and RPO
- Enhanced security and compliance
- Accelerated migration of on-premises data center to AWS

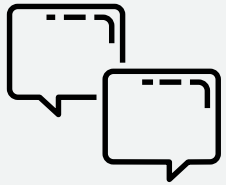
THOMSON REUTERS

"Using AWS Elastic Disaster Recovery has made our DR process more redundant and reliable. We know that everything is ready to go."

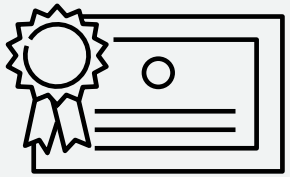
- Anna Rushing, Senior Project Manager at Thomson Reuters

How to get started

Visit the AWS DRS Console to start setup and begin replicating servers



Contact AWS account team, APN Consulting Partner, or AWS Professional Services



Take the free online training on AWS Skill Builder

Resources

- Visit the AWS Elastic Disaster Recovery product page for more information and pricing
- Use the AWS Elastic Disaster Recovery Console to start replicating your servers
- Take the AWS Elastic Disaster Recovery technical training on AWS Skill Builder
- Review AWS Elastic Disaster Recovery technical documentation
- Receive product support from AWS Premium Support

Thank you!