Amazon Web Services Cloud Application Resilience

Significantly increase cloud application resilience on AWS with a cloud-native full environment backup and disaster recovery

Cloud Rewind is a fully integrated service within AWS Cloud as a marketplace solution. No additional infrastructure is necessary. Cloud Rewind service billing is part of the AWS monthly invoice.

WHY CLOUD REWIND FOR AWS

Protect and recover entire application environments, including containers, VMs, databases, cloud network configurations, firewalls, etc., for true cloud application resiliency.
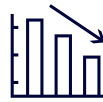
Reduce compliance risk with entire app environment testing for various disruptions, disaster recovery, system patching, and cyber security scanning with a copy of your production environment.

Avoid building complicated bespoke AWS multi-zone, multiregion recovery management systems that are expensive, time-consuming, and highly risky to maintain.

COST OF LEGACY APPLICATION RESILIENCE IN THE DATACENTER

Backup and Restore **&** Host Replication for DR

+ A lot of time, errors, effort and cost to achieve application resilience

Storage Snapshots for App Environment Copies **&** Site Recovery Orchestration (VMware SRM or Azure Site Recovery)

SIMPLE AND MODERN CLOUD-NATIVE APPLICATION RESILIENCE

Replace all with SINGLE INTEGRATED **Cloud Rewind Cloud App Resilience** Service

Protect, Recover, Failover, Clone Entire Cloud Environments

(VMs, Containers, Cloud RDS, Security Groups, Load Balancers, VPC, Routes, etc.)

> "Cloud Rewind is a game-changer. It's replaced our disparate backup, host replication, data center storage snapshot reliance systems with a single AWS native app-centric SaaS solution to satisfy our stringent RPO and RTO requirements.

Loadspring

Gartner

COOL VENDOR 2020

HOW IT WORKS

1 Cloud Rewind discovers entire cloud application environments for instant environment copy creation, rollback, and recovery for multiple use cases with simple and flexible organization policies.

2 It uses AWS cloud-native platform services to deliver significant application reliability without agents, additional data management, network management, or handwritten cloud automation scripts.

3 Organizations can continue to use their existing cloud provider native consoles, API, and CLI to manage production environments.

KEY BENEFITS

- Significantly increase application reliability with complete cloud app environment protection.
- Build cyber resilience with rapid recovery from malware or ransomware attacks.
- Instantly rollback application environments to known good state from bad system deployments.
- Recover applications or entire microservices from any unplanned downtimes with a few clicks.
- Protect against cloud platform service downtime and planned maintenance.
- Perform system patch testing with a copy of application production environments in minutes.
- Reduce application risks from cloud misconfigurations with predictable recoveries.
- Release high quality software by creating test environments with real world data.

KEY FEATURES

- Automated discovery of applications cloud infrastructure services.
- Automated discovery of applications data infrastructure without affecting production.
- Automated VPC, network, security, load balancer, and gateway discovery.
- Flexible automated cloud assembly creation with Infrastructure-as-Code (IaC).
- Flexible policy-driven protection and data retention capabilities.
- Cross-region data replication control and monitoring.
- Automated cloud-native Infrastructure-as-Code (IaC) based app environment recovery.
- Application post-recovery verification with health checks.

> **With Cloud Rewind platform, we have significantly increased our ed-tech SaaS security, availability, and reliability for our customers.**
>
> Pragya

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