

Medecision Recovers Mission-Critical Workloads Using AWS Elastic Disaster Recovery (CloudEndure Disaster Recovery)



Executive Summary

Medecision has made the decision to adopt AWS cloud as its future infrastructure platform and has started to migrate the existing applications. A successful migration and consolidation of workloads is the first necessary step to allow Medecision to transform their platform to reduce operational costs.

The migration program has faced several challenges in terms of achieving its primary goals and in terms of understanding application and dependencies, Networking Infrastructure, planning, timing, and costs.

Intuitive Technology Partners (aka Intuitive.Cloud) – an Advanced AWS Consulting Services Partner was selected to overhaul its DR solution and fulfill the company’s larger goal of migration to the cloud. Medecision partnered with Intuitive to re-build a fully functional, scalable, and operable DR Solution using Amazon Web Services (AWS).

As a part of the digital care management providing solutions and services to leading health care delivery organizations, Medecision required a disaster recovery (DR) solution that could quickly restore large, complex systems involving hundreds of servers with a quick turnaround time.

Customer Challenge

The on-premises infrastructure of Medecision DR solution was not cost effective and scalable that would make it difficult to fulfill its service-level agreements (SLAs) for clients, which specified RTO and RPO requirements.

Intuitive implemented Medecision DR solution in the cloud using [AWS Elastic Disaster Recovery](#) (CloudEndure Disaster Recovery), which minimizes downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications using affordable storage, minimal compute, and point-in-time recovery.

Using AWS CloudEndure Disaster Recovery, Medecision was able to exceed the recovery time & recovery point objectives of its SLAs.

About Medecision



Medecision is a digital care management company whose solutions and services are used by leading health plans and care delivery organizations to support more than 42 million people nation wide.



Goals

- Business can survive if the Primary On-prem Data center is unavailable.
- MPLS and VPN Customer connectivity to AWS DR
- HITRUST E2E encryption (Data at rest and In-transit)
- Customer SLA (RTO & RPO)
- All Apps, Data and Customers
- Low-cost DR solution
- Automate Infrastructure provisioning.
- Ability to Launch Apps quickly.
- Always on DR replication
- Ability to scale DR as on-prem evolves.
- Always on Replication from On-Prem (Rackspace) to AWS DR
- Ability to Launch DR and conduct DR test as requested by the customer.
- Functionally build and tested DR as outlined in scope of each phase.
- DR is operable with well-defined and DR Runbooks

Partner Solution

To build Medecision new DR Solution in AWS, Intuitive worked with its team of experts to design a DR solution, map application and network and build a fully functional DR Solutions with test a DR runbook.

Using AWS Elastic Disaster Recovery (CloudEndure disaster recovery), Medecision was able to achieve faster recovery time (RTO) with near real time replication from on-prem to AWS cloud using small machines and an ability to launch automatically.

Using AWS Elastic Disaster Recovery (CloudEndure disaster recovery) Medecision was able to achieve consistent reliable recovery time (RPO) as the replication was near real-time with Auto-Disk detection and data transfer over encrypted network and enabled volume encryption.

AWS Services

- AWS Direct Connect & Gateway
- AWS Transit Gateway
- Amazon Virtual Private Cloud (VPC)
- Amazon Elastic Compute Cloud (EC2)
- Amazon Simple Storage Service (S3)
- AWS Lambda
- Amazon Route 53
- AWS Key Management Service
- AWS Simple Notification Service
- Amazon CloudWatch
- AWS CloudTrail
- Amazon Simple Email Services (SES)
- AWS Secrets Manager
- AWS System Manager (Parameter Store and Session Manager)
- AWS EBS Snapshots

THIRD-PARTY Integrations

- Palo Alto Networks
- Oracle, MySQL, Atlas Mongo
- Terraform, Gitlab
- Microsoft AD
- NetApp Device

Results and Benefits

- Medecision can maintain disaster readiness as a part of its daily operations, validating its recovery time objectives quarterly with automation that verifies all systems while paying only for resources when it needs them.
- Medecision IT Infra staff is trained to setup up Disaster Recovery when servers are added or changed. Operators perform regular DR test and drills and are prepared for failover to AWS in the event of a disaster or IT disruption.
- Medecision also avoided significant capital expenditure to refresh its on-prem DR data center hardware and instead reallocated these funds to operate AWS DR



Intuitive.Cloud

AN ENGINEERING COMPANY DELIVERING CLOUD EXCELLENCE!

Intuitive Superpowers

- Cloud Infrastructure Engineering
- Cloud Native, AppSecOps, DevSecOps
- Cyber Security & GRC
- Hybrid Cloud, SDDC, SD-WAN, SDN
- Data & AI/ML
- Digital Workspace (M365)

The Intuitive Impact

- 120+ Enterprise & ISV Customers
- 90%+ Customer Retention
- 40+ Countries with Service Delivery Capabilities
- 10+ Years of successful YoY Growth
- 338% Cumulative Growth for 2021-2022
- 500+ Cloud SMEs
- 19 Innovation Investments in Cloud, Data/AI/ML, CyberSecurity

Awards & Certifications: Inc 5000 2022, CRN 2022 Top 150 Cloud, ISO 27001, AICPA SOC 2, and two award trophies.

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