

CAREPATHrx Rapidly Migrates to the Cloud Modernizing Workloads With Minimal Disruption

Overview

CarepathRX, a leading Specialty Pharmacy and Tele-Medicine delivery company, renowned for its integrated technologies, Clinical Pharmacy Services, and Pharmacy Care Delivery Models that have elevated patient care, clinical outcomes, and financial growth for clients. Now, CarepathRX is embarking on an enterprise-wide migration to AWS, aiming to enhance services and meet patient solution and compliance requirements. Enter Atayo, an AWS Advanced Consulting Partner, specializes in facilitating accelerated cloud migrations and disaster recovery strategies, empowering customers to leverage cloud capabilities. With Atayo's support, CarepathRX is poised to achieve greater success, revolutionize patient care through innovation and efficiency in the AWS cloud.

The Challenge

Migration to the cloud presented CarepathRX with an intricate landscape to navigate. Among the challenges they encountered was the migration of Windows Workloads, which required careful planning and execution to ensure a seamless transition without disruption to operations. Hundreds of servers needed to be relocated to the cloud, necessitating a meticulous approach to avoid any data loss or service interruptions during the migration process.

Moreover, the complexity intensified as CarepathRX aimed to migrate their large terabyte SQL server clusters to AWS RDS (Relational Database Service). This task demanded a thorough understanding of their data architecture and database dependencies to ensure a smooth migration and optimal performance in the cloud environment.

To tackle these complexities and maintain consistency throughout their cloud infrastructure, CarepathRX wisely adopted an infrastructure-as-code (IaC) approach. By deploying everything using IaC principles, they achieved automated, repeatable, and standardized deployments, minimizing human errors and streamlining the provisioning and management of cloud resources.

CAREPATHrx

Challenges

- Achieve improved levels of Scalability, Reliability and Performance.
- Migrate to AWS with minimal downtime with contractually driven deadlines and compliance constraints
- Downtime Patient Impacts
- Cloud modernization requirements with little source workload documentation

AWS Migration Approach

- Transformative migration, building workloads to leverage modern services, FSx, RDS, and Serverless
- Landing Zone using Control Tower enforcing network, security and compliance.
- Primary Service used: EC2, EBS, FSx, RDS, Control Tower

Despite the scale and intricacy of the migration, CarepathRX remained resolute in their objective to become 100% cloud-based on the AWS platform.

Solution

Working closely with CarepathRX, Atayo devised an architecture and migration approach that leveraged AWS cloud constructs to address CarepathRX's needs at every level of the organization. They employed AWS Control Tower and AWS Landing Zone to establish a secure multi-tenant infrastructure as the backbone of the enterprise. For identity provisioning and access controls, AWS Identity Center (SSO) and AWS Managed Directory Services were implemented.

To re-platform and re-host databases, Atayo utilized AWS Relational Database Service (RDS). Additionally, they deployed VDI platforms using Amazon EC2 and Citrix Cloud Workspaces, enabling seamless application distribution. To provide remote access and workstation failover, Amazon Workspaces and Amazon App Stream were employed.

AWS VPN and Transit Gateway ensured enterprise connectivity, particularly for the 90% of employees working remotely due to Covid restrictions. Shared storage solutions were architected using Amazon FSX, Amazon S3, AWS Sync, and Amazon File Transfer Service to enable file-based transfers without interruption.

Results & Benefits

The migration to AWS brought about significant benefits for CarepathRX. They successfully completed the transformation to a 100% cloud-based enterprise, eliminating the need for on-premises infrastructure

"Transitioning our entire enterprise to the AWS cloud has unlocked benefits of scalability and efficiency, securely driving our continuous improvement in patient care."

Derek Kennard

VP of Information Technology at CarePathRX

and reducing operational overhead. By embracing a cloud-first approach, CarepathRX achieved enhanced scalability and flexibility, enabling them to respond to changing business needs with agility.

The transition to AWS allowed CarepathRX to improve patient care and clinical outcomes while achieving better financial and operational results for their clients. The deployment of VDI platforms and remote access solutions enabled most employees to work remotely, fostering a productive and flexible work environment.

Moreover, AWS's secure and compliant infrastructure, coupled with Atayo's expertise in healthcare and non-profit organizations, ensured a smooth migration and strengthened data security and access controls.

Recommendation

Based on CarepathRX's successful migration to AWS, CarepathRX's operations are yielding substantial benefits. Leveraging AWS services and the expertise of a reliable AWS partner like Atayo Group facilitating a seamless transition to cloud, organizations are able to achieve improved business outcomes, better patient care, and adaptability to changing market demands.

Atayo Cloud Services

ATAYO Cloud Services, a reputable AWS Consulting Partner, is your go-to resource for comprehensive cloud adoption strategies and technology solutions. Our specialization spans Migrations, Microsoft Workloads, AWS Landing Zones, DevOps, Disaster Recovery, and Cloud Virtual Desktop Infrastructure (VDI). From seamless transitions to operational excellence, we guide you every step of the way, ensuring your business harnesses the full potential of the cloud. Unleash the possibilities of cloud innovation with ATAYO at www.atayogroup.com.