Multi-Cloud Strategy | The Applications

Optimize Healthcare Applications with a Multi-Cloud Approach

Healthcare organizations are having to respond to a rapid proliferation in new clinical and business applications, especially those that support initiatives such as precision medicine and telehealth. Mobile health applications alone are growing annually at a staggering 29%. Because of this growth, cloud is fast becoming the de facto model for hosting these new workloads, removing the need for storing data on local servers. Organizations need to be careful to avoid the pitfall of disjointed, complex, and expensive cloud solutions. That’s where multi-cloud comes in, providing a unified, software-defined operating model for all application workloads, leading to true data center modernization.

The top use case for cloud among healthcare providers is hosting clinical applications

- 88% of healthcare organizations use cloud for SaaS—more so than IaaS or PaaS (though IaaS is gaining ground). Of those who use cloud do so to host their clinical applications (more so than any other service or application type).
- 63% adopted cloud services to meet organizational needs for a scalable, always-on solution.
- 34% adopted cloud services to meet organizational needs for a scalable, always-on solution.

Did you know?
Multi-cloud technologies like the Dell EMC Elastic Data Platform and Pivotal Cloud Foundry enable secure data sharing, visibility, and flexibility to move data when and where needed.

As cloud adoption continues to grow, cloud sprawl, shadow IT, and disjointed cloud solutions are presenting some unique challenges.

- Data mobility may be impeded by proprietary technologies, contract constraints, or both.
- Insufficient governance by not treating cloud with the same rigor as other technologies leads to increased security risks.
- Data becomes trapped in the cloud due to high costs to move it elsewhere.
Steps to Clinical and Business Application Rationalization

You can effectively consolidate and modernize your applications in a multi-cloud environment. Making data both visible and mobile provides workload flexibility leading to a more efficient, tech-enabled, and consumer-focused organization—one that is digitally ready to innovate through initiatives like precision medicine and connected health.

01 EVALUATE
Inventory and prioritize all applications, and identify which are necessary to keep.

02 SEGMENT
Segment your applications based upon whether they are reliant on underlying hardware, somewhat virtualized, or fully virtualized.

03 STAGE
Stage cloud-ready applications to be synchronized for delivery across multiple clouds.

04 MODERNIZE
Replace legacy hardware with software-defined, hyper-converged infrastructure (HCI) for applications that must remain in-house.

05 MIGRATE
Move the application to the appropriate location: in-house hardware or private, hybrid, specialty, or public cloud.

06 AUTOMATE
Use a single pane of glass with automation to manage all of your applications across the multi-cloud environment.

07 TRANSFORM
Be a proactive, digital healthcare leader by incorporating repeatable, standardized, enabling services.

The Dell EMC multi-cloud portfolio frees data and provides the flexibility to select the desired clinical and business workloads in the appropriate user-centric configurations, when and where needed. Standardize on common services across all clouds—private, hybrid, public, and specialty cloud services—for app deployment, networking, storage, data protection, operations, and security models. The end results are innovation and digital transformation that give way to improved caregiver productivity and better patient care.