DELL Technologies

SOLUTION BRIEF

DELL ALLIANCES HEALTHCARE CLOUD (DAHC)

Data-centric approach to clinical applications: optimize your workload agility and flexibility

TOP FOUR DELL ALLIANCES HEALTHCARE CLOUD (DAHC) BENEFITS

1. Consistent hybrid cloud solutions and operating experience to eliminate cloud chaos
2. Sovereign cloud computing architecture designed and built to provide data access in compliance with HIPAA-HITECH, SOC2+HITRUST, and other healthcare-related regulations
3. Cloud adjacency/ colocation that combines the reliability of on-premises and the elasticity of cloud
4. Strategic workload management provides flexibility and autonomy to match workload and application hosting locations with business needs

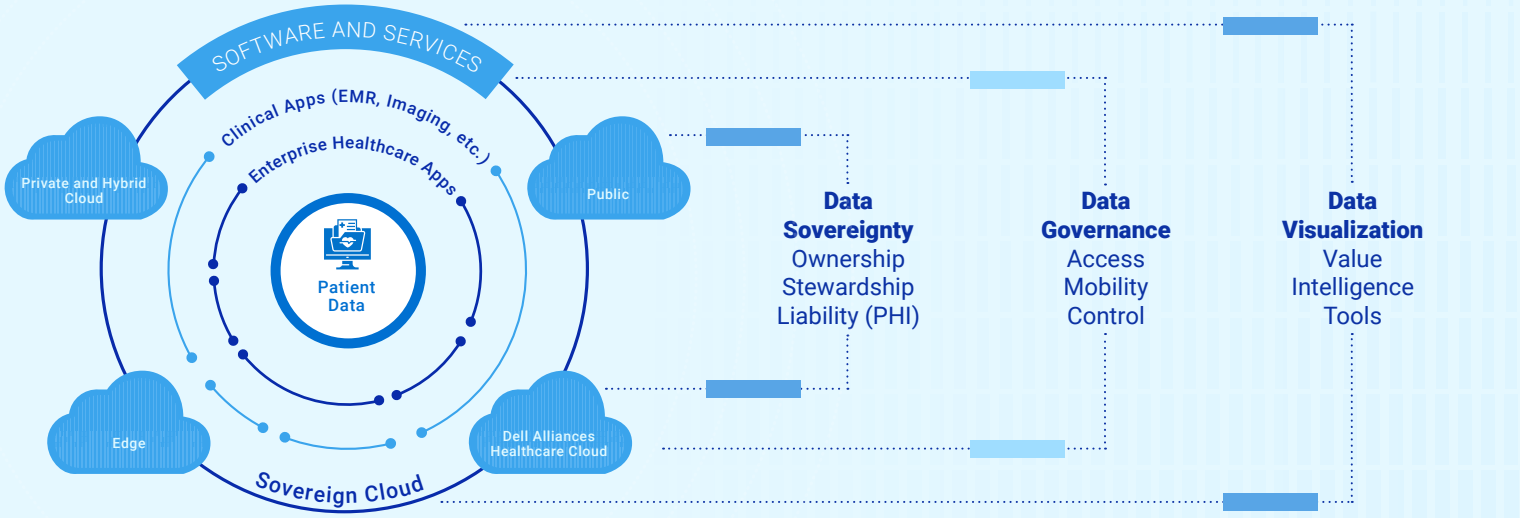
Introduction

While interest in the cloud continues to grow, healthcare organizations are facing challenges similar to other industries when adopting cloud services. Recently, in its 2024 State of Hybrid Cloud Survey, Virtana found that 62 percent of participating organizations will be moving applications back on-prem after migrating them to the public cloud.[1] Keeping this is mind, healthcare organizations want the benefits of hosting healthcare workloads/applications in the cloud without some of the challenges of a public cloud only approach. Which begs the question: public or private? The answer is "yes."

As the public cloud services continue to grow, the competition between cloud providers drives innovation. As native cloud services evolve, they provide increasingly differentiated value propositions to organizations. Implementing a multicloud-by-design strategy can allow your users to select the cloud services that best meet their needs, unleashing competitive advantages and productivity gains that would be unattainable with a single cloud.

1. virtana.com/wp-content/uploads/2024/03/Virtana-State-of-Multi-Cloud-Management-Report.pdf

Dell Alliances Healthcare Cloud: Placing the workloads where they belong.



The Dell Technologies Solution

In the modern healthcare technology environment, the preference we've typically seen is for a multicloud-by-design approach, because business and IT leaders want the flexibility to choose the right path that best meet their objectives. Therefore, we're commonly seeing the mixed use of private, public, and hybrid cloud infrastructure.

- Customers tell us they use on-premises private cloud for risk mitigation, fast performance and cost containment. These are all on the list of top factors driving decisions on where organizations place workloads, according to research we've commissioned.
- Organizations often adopt public cloud solutions to streamline operations, enhance agility, and reduce administrative overhead. These are important drivers for accelerating innovation, which is a primary reason for its popularity.

What's abundantly clear is that both private cloud and public cloud have their strengths, yet there are also trade offs. We've found most organizations need a solution that brings together the best of what public and private cloud have to offer.

With a true multicloud-by-design model, customers are now free to move and place workloads wherever they are most appropriate, delivering compute, storage, and networking resources for your clinical workloads and enabling consistent and secure operations across multiple clouds.

The Dell Alliances Healthcare Cloud is a purpose-built, hosted, private cloud solution for healthcare workloads, designed for compliance with the reliability of on-premises and the elasticity of cloud. This Dell Technologies solution offers the following capabilities:

- **Accelerated multicloud adoption**
  - » Freedom of choice: Accelerate your workload by placing it in the right location to achieve the desired outcome.
  - » Optimized operations: Eliminate the complexity of multicloud through simplified architecture for public clouds, private clouds and edge locations.

- **True multicloud fabric**
  - » Consistent application fabric: Data will be created at the edge at a scale never before seen – and the majority of it will require processing, storage and more. The local networks and compute fabric are essential to success in this scenario. It is not about having high-speed networks everywhere, but where they are needed – and being smart about what data is pushed back to the data center.
  - » Consistent infrastructure fabric: Speeding the transition to next generation IT Infrastructure, Dell storage technology innovations will allow organizations transition to high-performance, low latency and cost-effective IP-based storage area networks.
  - » Consistent data fabric: An ecosystem that's optimized as autonomously as possible to deliver the data seamlessly across the healthcare continuum.
- **Cloud adjacency**
  - » Cloud adjacency is a means to gain the benefits of public cloud without releasing control of your apps or data. By placing certain workloads closer to your public cloud provider's data centers, you can consume their service offerings without moving your data off of your infrastructure.
  - » This is an excellent way to utilize cloud-native functionality while maintaining security and regulatory compliance, all while delivering the service levels your workloads require. It can also be a useful way of managing costs and avoiding vendor lock-in.
  - » Colocation facilities can be leveraged to improve your organization's security and control while continuing delivery of hyperscaler capabilities.

A purpose-built cloud solution for critical healthcare workloads

Dell Technologies has always valued the experience and services that our alliance partners bring to the table in helping take industry-leading Dell technology and use it to solve mission critical problems for our joint healthcare customers. The Dell Alliances Healthcare Cloud (DAHC) is the framework for how we partner with Dell Alliance Partners to host and operate complex healthcare workloads. DAHC allows your healthcare workloads to run in world-class cloud adjacent facilities where a comprehensive and customizable managed technology solution is provided in a monthly as-a-service billing manner to achieve the desired technological and financial outcome.

Learn more at **Dell.com/healthcare** and **@DellTechHealth** | **#TransformHIT**