

Solution Brief

Healthcare Industry

Platform
DIGITAL™

The digital economy is remaking how global enterprises create and deliver customer value. For all industries, this forces IT to re-architect towards a decentralized infrastructure, enabling global distributed workflows at centers of data exchange to remove data gravity and scale digital business.

Healthcare organizations rely on digital transformation to deliver value- and patient-based services ...

... that drives better patient outcomes while enhancing operational efficiencies and lowering costs ...

... and must simplify infrastructure delivery, reduce risk while continuously meeting global security and compliance regulations, and decrease cost by standardizing deployment and operations on a single global datacenter platform.

INSIGHTS

94% OF HEALTHCARE EXECUTIVES

report that the pace of innovation has accelerated over the past three years due to emerging technologies.

Source: Accenture, 2019



53% indicate modernizing IT infrastructure for better availability, speed, and resilience is the key to delivering services to new and existing patients.

Source: 451 Research, 2017

75%



75% of healthcare organizations will run their workloads in private and public cloud environments.

Source: McKinsey, 2019

Only 7% of cloud services meet enterprise security and compliance requirements.

Source: McAfee, 2019

35% of healthcare organizations store over half of their data in the cloud.

Source: West Monroe Partners, 2019

94 million healthcare records exposed in the past year were worth \$47 trillion. (\$50 per record)

Source: McAfee, 2019

CHALLENGES

- Legacy IT infrastructure is unable to accommodate the extensibility, agility, and security requirements of digital — from EHR to Internet of Medical Things — that is becoming part of everything healthcare does.
- Siloed and centralized infrastructure inhibits interoperability and communications and hinders on-demand, real-time intelligence needed to optimize delivery and effectiveness of patient care.
- Disparate physical and virtual environments and isolated digital ecosystems increase costs, create data gravity barriers, and slow workflows and information exchange needed for operations and patient care.
- A dramatically expanded attack surface—resulting from growth in cloud, mobile, and IoT devices—and a lack of security controls across hybrid IT architecture creates greater cyber risks; these range from data breaches, to ransomware attacks, to operational disruption and outages.

SUMMARY

Digital transformation in healthcare needs to operate digital deployments as a seamless extension of a decentralized, interoperable infrastructure that delivers a consistent security, scale, and resiliency. It must also remove data gravity barriers and enable delivery of real-time intelligence for optimized, personalized patient care and services.



HOW PlatformDIGITAL™ SCALES DIGITAL BUSINESS

PlatformDIGITAL™ provides a global data center platform to host critical infrastructure and interconnect digital ecosystems, providing a trusted foundation to scale your digital business.

SUMMARY

In order to execute digital transformation initiatives and deliver unrivaled patient care experiences, healthcare organizations need to rewire their networks by optimizing network segmentation and topologies, implement hybrid IT infrastructure controls for security and compliance, optimize data exchange for real-time intelligence sharing between patient care and customer service systems, and interconnect global workflows between physical and virtual environments to form integrated digital ecosystems.

PERVASIVE DATACENTER ARCHITECTURE (PDX)

The foundation to scale digital business in healthcare.

PLAN ZONES

Plan distributed workflows at business points of presence requiring centers of data exchange

DEPLOY FOOTPRINTS

Deploy fit for purpose footprints matched to workflow profiles and workload attributes interconnecting participants at centers of data exchange zones to enable distributed workflows



IDENTIFY PARTICIPANTS

Identify the users, applications, data and things that will participate in distributed workflows

MAP WORKLOADS

Map workload types with Performance Attributes required to support participants in distributed workflows

A Pervasive Data Center Architecture results in a decentralized IT architecture, enabling global distributed workflows at centers of data exchange implemented on PlatformDIGITAL™

1- NETWORK HUB to

Rewire the Network

2- CONTROL HUB to

Implement Hybrid IT Controls

3- DATA HUB to

Optimize Data Exchange

4- SX FABRIC to

Interconnect Global Workflows

