Value-Based Healthcare Requires Intelligent IT

Delivering better care at a reduced cost means fully embracing digital transformation. It's time to break away from traditional IT architectures and build networks based on open standards, simplicity, and affordability.



Delivering Value with Digital Transformation

of healthcare companies that transition to the digital economy expect to see significant growth over

the next 2 years.1

say the biggest benefit is customer satisfaction.²

say the biggest benefit is innovation.3

of provider executives say the investing in AI, machine learning, and predictive analytics.4

Unprecedented Demands on IT

Astronomical Data Volumes⁵



annual data growth.

Clinical research, medical imaging, and analytics create massive amounts of data.

exabytes of data to be created in 2020.

Empowering Patients to Take Control of Their Health

Healthcare IoT will create convenience, efficiency, and automation.

million patients are monitored

remotely now.9

growth for connected medical devices from 2017 to 2022.10

market for digital therapeutics in 2020.11



Telemedicine: The Doctor is Always In



growth in telemedicine by 2022.12

of consumers are interested in telemedicine services if it reduces their cost.12

The Shift to the Cloud Is Underway



use cloud services today.6



Top uses are email and EMR. with infrastructure-as-a-service and platform-as-a-service rising.7

Top 5 Reasons Cloud is Very Important⁸

- Centralization of health records
- 2 Support preventative care
- 3 Care for low-income populations
- 4 Support remote diagnosis
- Support remote treatment



Breaches in US healthcare cost

billion a year. 14

of hospitals have reported a breach of all malware in healthcare was in the past 2 years.¹⁵ ransomware.16

increase in medical device vulnerabilities reported to the US government.¹⁷

of consumers decided to change doctors, hospitals, or insurers because their information was stolen.18

Downtime Dangerous to Patients

Downtime can result in serious

patient safety risks.

Labs and medication administration are the most affected.19

out of 1

confessed to at least one unplanned outage greater than 8 hours in the past 3 years.²⁰

average cost of an unplanned outage.21



Does Your Network Deliver True Value?

of network administrators' time is spent maintaining the network.22

Human error causes as much as of downtime.²³

of enterprises currently use IT automation...

plan to use IT automation.24

Healthcare Networks that Adapt, Scale, and Secure Your Data

The network is largely invisible until it goes down. Then its role as the lifeblood of the healthcare becomes abundantly clear. A value-based, accountable care model demands a network that is resilient, automated, secure – and far simpler than traditional network architectures.

Juniper Networks® is committed to building the most resilient, automated, and secure networks for handling missioncritical transactions, applications, and services. Juniper believes infrastructure should be simplified and automated, so healthcare IT teams can respond quickly in an evolving landscape.

To learn more, contact your Juniper representative or click here.

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