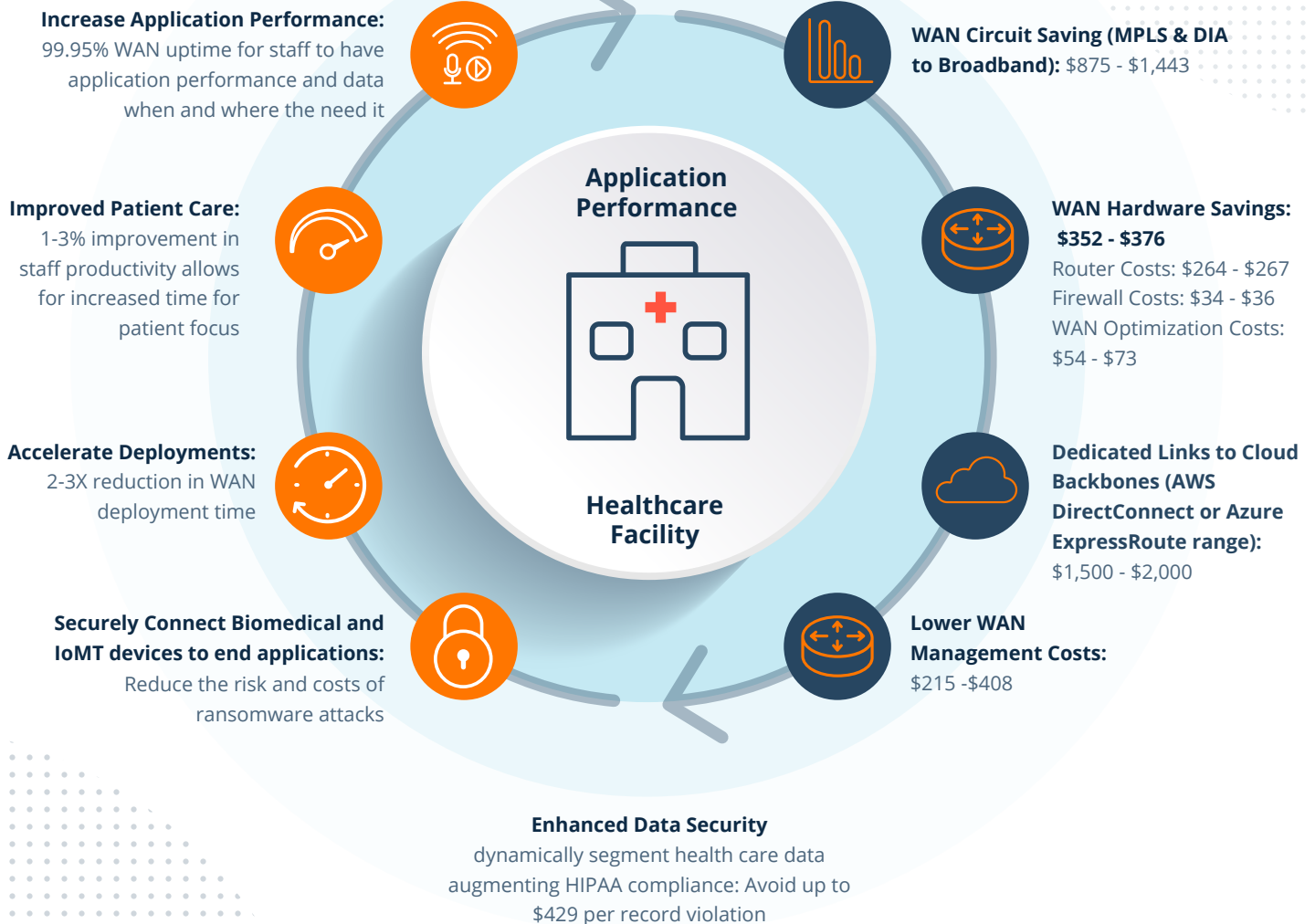


Improving Care at the Edge



Ensuring great Patient Experience

WAN Cost Savings (per site per month)



Ensuring Great Patient Experiences



Increased Application Performance

Healthcare service providers can optimize all business applications and prioritize patient critical applications without being constrained by the wide area network. The IT team defines and implements business intent policies for healthcare applications to deliver peak performance. EdgeConnect enables the creation of business intent overlays for every class of healthcare service and then routes application traffic based on the defined policies. This allows continuous access to, and availability of, critical applications such as Electronic Health Records enabling healthcare professionals to access and update them in real-time from any location. With the 'Digitization of Everything', EdgeConnect delivers a superior data access experience for clinicians, staff, patients and visitors.



Improved Patient Care

EdgeConnect utilizes all available WAN transports to deliver higher bandwidth capacity, minimize bottlenecks and reduce WAN costs while delivering healthcare services. For instance, SD-WAN optimization accelerates transmission of large data collected from medical imaging files to PACS (Picture Archiving and Communication System) and from patient service centers, thus making it available for diagnoses more quickly and precisely. EdgeConnect maintains availability of healthcare services even during transport service brownouts and outages which improves healthcare experts' productivity by enabling them to spend more time with patients.



Accelerated Deployment

The network enables full utilization of all available bandwidth, including broadband, and provides uninterrupted connectivity across common cellular signals required for remote and/or mobile emergency telemedicine services. SD-WAN improves WAN connectivity at both new and remote locations by using broadband internet services to deliver comparable performance to MPLS at a significantly lower monthly cost. Eliminating the need to procure expensive dedicated circuits at sites, which can take months to be installed, helps new healthcare centers and applications come online more quickly.



Enhanced Data Security by dynamically segmenting health care data (HIPAA Compliance)

EdgeConnect provides simplified end-to-end network segmentation within and outside the walls of the clinic through centralized orchestration and automated enforcement of security policies maintaining continuous compliance. Each healthcare service is isolated and segmented from other services. Enabling organizations to maintain data security in accordance with HIPAA compliance by minimizing the attack surface helps healthcare facilities to reduce violation related costs.



Securely connecting Bio-medical and IoMT devices to end applications

The growing use of medical devices to improve patient care is compromised by the fact that the IoMT devices are increasingly vulnerable to cyberattacks. When cyberattacks are successful, patients and healthcare providers are at risk of care and records disruption. SD-WAN securely connects Bio-medical and IoT devices to the network and

isolates the IoT traffic from other application traffic, enabling IT to reduce the possible attack surface that may be exposed to IoMT device traffic. Thus, healthcare organizations can leverage the innovations in patient care offered by IoMT devices and save on security-related costs.

WAN Cost Savings



WAN Circuit Savings: (MPLS to DIA and Broadband)

EdgeConnect advanced path conditioning and tunnel bonding technology provides a Quality of Service (QoS) that enables deployment of lower-cost broadband circuits as reliable competitive alternatives to expensive MPLS. Confidently run your cloud and on-premise applications on shared, public broadband – even voice and video. You will achieve consistent, reliable application performance while significantly lowering your WAN transportation costs at each of your sites.



WAN Hardware Savings (Router & Firewall)

EdgeConnect provides a single, fully integrated solution that eliminates the requirement to deploy and manage multiple WAN appliances simplifying the overall architecture. Reduction in costs from routers is derived from comparing the CAPEX & OPEX for Aruba EdgeConnect versus the OPEX for existing routers, and from firewalls via CAPEX avoidance of incremental firewalls and OPEX reductions.



Lower WAN Management Costs

It includes quicker time to deploy SD-WAN across networks (Day 0 activities), easier configuration for security services and policy changes (Day 1 activities), easier troubleshooting, reducing costs to resolve IT Tickets (Day 2 activities).




Remote clinics may not have full-time IT staff available. SD-WAN provides complete visibility of remote sites to corporate headquarters. IT can remotely monitor, manage, and troubleshoot the wired, wireless, and SD-WAN infrastructure from anywhere.



Dedicated Links to Cloud Backbones

Cloud links such as ExpressRoute and DirectConnect may be eliminated which can drive more cost savings and reduce WAN complexity. In addition, you may be able to reduce your spend on other visibility and monitoring solutions such as PRTG. Aruba EdgeConnect includes built-in monitoring and analytics allowing you to lower annual licensing and support costs.

Clients

	 SimonMed <small>See Tomorrow Today</small>	 Nuffield Health	 MERCY HEALTH <small>A Member of Tenet Health</small>
Overview	Industry: Medical Diagnostic Services Revenue: \$46.6M Employees: 1,013	Industry: Medical Healthcare Providers Revenue: \$993M Employees: 16,000	Industry: Medical Healthcare Providers Revenue: \$1399M Employees: 10,000
Benefit 1	Provides ROI of \$2.5m USD in first-year savings due to reduced dependence on MPLS	WAN traffic reduced by up to 75%	Avoided up to \$60,000 a-year in upgraded line charges
Benefit 2	Reduces time to access large image files from 10 minutes to less than 30 seconds	Deployed an average of 15 sites per week, which peaked at 27 sites in one week	80% - 85% reduction of SnapMirror traffic
Benefit 3	Speeds bringing new locations online from up to 180 days to less than 30 days	Increased available Bandwidth more than 4-6X	12 Mbps performs like a 100 Mbps and peaks at 300 Mbps

Aruba has thousands of SD-WAN customers and millions of business users, including large home improvement retailers, prominent global tech companies and leading global manufacturers.

Aruba Networks can help you design for the future

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