Load Balancing eClinicalWorks

Cost-effective, high-performance APV Series load balancing solutions accelerate EMR and PM applications while improving high availability and security

eClinicalWorks Overview

eClinicalWorks is a privately held leader in the ambulatory clinical systems market. The company's unified electronic medical record and practice management (EMR/PM) solution is proven for every health care market segment and specialty.

Located in Massachusetts, with offices in New York, Georgia, California and Illinois, eClinicalWorks has over 100,000 customers throughout the US including small and medium-sized practices, retail clinics, federally qualified health centers and community health centers, enterprise-class hospital networks and community-wide deployments such as the New York City Department of Health and the Massachusetts eHealth Collaborative.

Integrated Solution Overview

Array APV Series application delivery controllers are high-performance platforms that ensure eClinicalWorks applications perform at the highest level possible to deliver an enhanced end user experience and increased productivity. Array APV application delivery controllers help scale eClinicalWorks deployments for large and small user communities while ensuring high availability, low latency and data security.

Certified by Dell

Dell Professional Services conducted tests for the scalability of the eClinicalWorks product line on an enterprise platform consisting of Dell, Intel, EMC, Array Networks and VMware infrastructure.

The certification test results proved that Array APV Series application delivery controllers provide eClinicalWorks customers with increased application performance, faster response times, reduced server load and increased security. On average, performance for secured requests improved 150% and performance for non-secured requests improved 200%.

Noted Matthew Lewis, Director of IT for eClinicalWorks, "We selected Array's APV Series Application Delivery Controllers because they enhance our software offering and allow our customers to increase productivity without sacrificing patient care or security."

APV Acceleration

150%

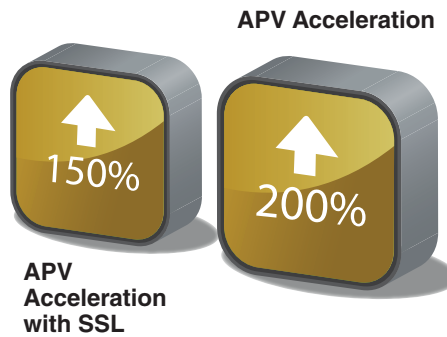200%

APV Acceleration with SSL

Figure 1: Response time improvements for EMR and PM clinical task flows (patient lookups, creating appointments and claims) in certified environment running Array APV. (Array APVx600 Series running AppVelocity-S, Dell 2950 ESX hardware systems running VMware)

Figure 2: Typical eClinicalWorks Deployment with Array APV Series Application Delivery Controller

APV Series Benefits

> Proven track record with eClinicalWorks deployments for clients of all sizes and specialties

> Array ensures the fine tuning of eClinicalWorks software for enterprise-level performance and stability based on in-depth understanding of application performance and logic bottlenecks

> Constant, reliable, SSL encrypted 24x7 access to eClinicalWorks

> Accelerates common eClinicalWorks EMR/PM activities by 150% to 200%

> Reduces common eClinicalWorks query operations by 50% on average

> Reduces the number of server side connections by 15 times or more

> Meets and exceeds HIPAA and SOX standards

> Purpose-built on Array's SpeedCore® architecture

> Range of right-sized hardware and software options, each providing the optimum balance of features and performance at the right price point for any size practice
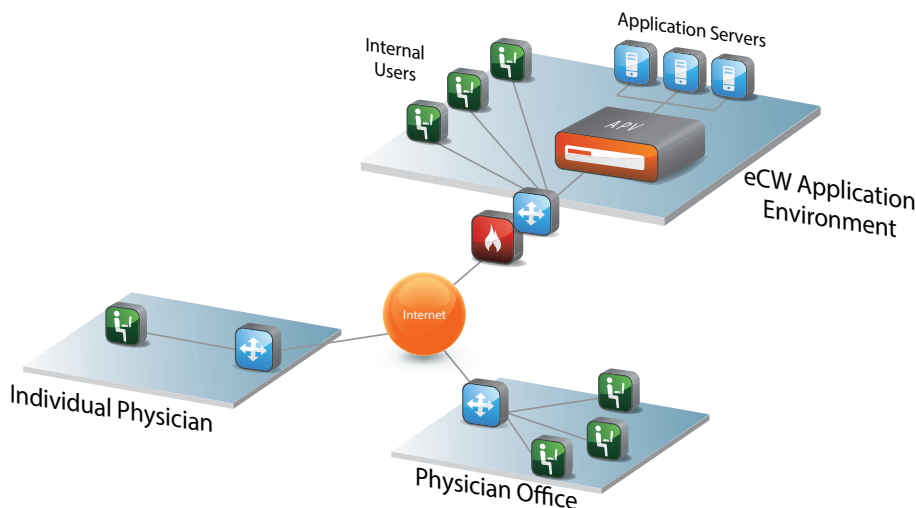
For more information about how Array Networks can help you accelerate eClinicalWorks EMR and PM traffic, while improving high availability and security, visit us at arraynetworks.com or send us an email at sales-info@arraynetworks.com.

1371 McCarthy Blvd., Milpitas, CA 95035 | Phone: (408) 240-8700 | Toll Free: 1-866-MY-ARRAY | www.arraynetworks.com