

Case Study: Orthopaedic Institute of Western Kentucky

The Problem

The Orthopaedic Institute of Western Kentucky, the region's premier source and largest provider of comprehensive musculoskeletal services, needed to replace their aging on-premise infrastructure at all four of their practice locations. They were searching for a cloud-based solution for their EMR and the "cloud ready" wide area network architecture necessary to access it, since their existing infrastructure was becoming increasingly unreliable and more expensive to maintain. In addition, due to the under-performing physical hardware, their EMR instance was sluggish and the time to move between modules of the NextGen application was impacting patient care.

The Solution

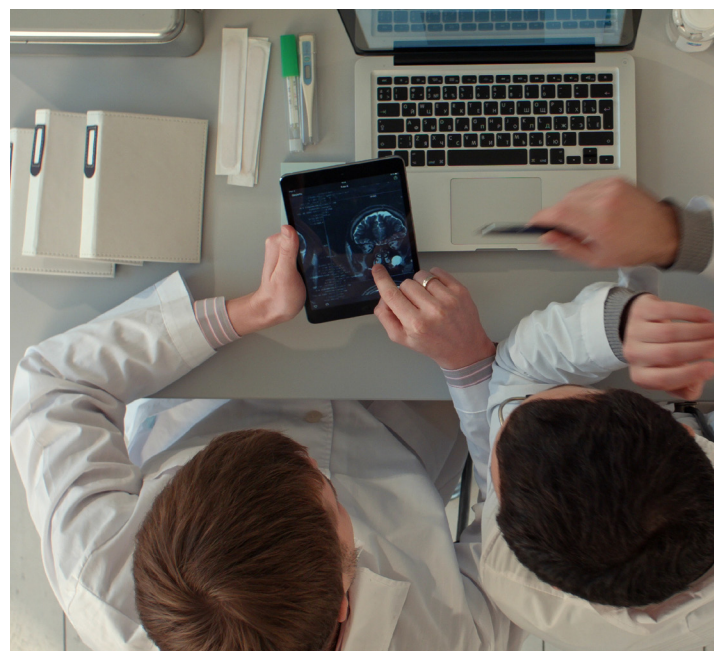
Keystone recommended and designed a cloud-based solution for their EMR and the "cloud ready" wide area network architecture necessary to access it, eliminating the large capital outlay needed to replace the physical hardware. The high performance and high availability that Keystone offers through AWS and Citrix afforded the Orthopaedic Institute of Western Kentucky the opportunity for maximum uptime, total flexibility around RTO and RPO, and access to their EMR from anywhere on any device, at a fraction of the cost of on-premise hardware.

Utilizing EC2, S3, RDS, and Direct Connect technologies from AWS, Keystone was able to enhance their overall patient care experience by vastly improving performance, reliability, and security, while reducing their technology spend.

Impact

Once Keystone migrated Orthopaedic Institute's NextGen EMR to AWS they experienced a 50% general increase in speed of application responsiveness – field to field and screen to screen. There was also a huge performance improvement in moving between modules of the NextGen application. Printing large Rev Cycle reports, which used to take hours, now took minutes.

As a result of their partnership with Keystone, the Orthopaedic Institute of Western Kentucky now has a high-performance cloud-based EMR solution and server architecture. They are able to pull any level of detailed information regarding each of their practices on a single, durable, and secure technology platform that ensures the safety and integrity of their data.



Keystone and AWS

Keystone Technologies is an AWS Advanced Tier Consulting Partner in the AWS Partner Network (APN), the global partner program for technology and consulting businesses who leverage Amazon Web Services to build solutions and services for customers. More than 90% of Fortune 100 companies and the majority of Fortune 500 companies utilize APN Partner solutions and services.

With AWS, one of the world's largest, most secure, and most trusted public cloud platforms in the world, Keystone provides solutions that include strategic consulting, data conversion services, HIPAA-compliant cloud services, EMR hosting, and more.



Sources:

<https://partners.amazonaws.com/partners/001E000001d9x5BIAQ/Keystone%20Technologies>

<https://kestonetechnologies.com/innovation-through-trusted-partners/>

<https://kestonetechnologies.com/aws-consulting-partner/>



About Keystone Technologies

Keystone Technologies is a healthcare company that believes technology provides the largest opportunity to improve patient care. We exist to ensure that healthcare providers have the information they need to provide the highest quality of care to their patients. By combining Keystone's EMR hosting, EMR data conversions, Legacy Data Archival, and Healthcare Data Extractions Solutions, we offer a 360° approach to delivering healthcare data to hospitals and medical groups across any technology platform. To see how we can help you modernize your healthcare practice, get in touch today and schedule a free consultation with one of our experts.

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