



OpSus Edge: Bringing the Power of the Cloud to the Data Center

Every day, people all over the country depend on their local hospitals and medical facilities for high-quality medical care. For some smaller to mid-sized hospitals in remote and rural areas, CIOs are faced with a set of unique challenges. Reliable and secure internet connectivity is not always available, and the expense of replacing existing hardware is not realistic. In addition, these hospitals also face a limited pool of experienced IT talent, typically found closer to metropolitan areas. Many rely on their on-premises data centers to host their EHR and other enterprise systems.

A 99-bed hospital in Kansas wanted to continue hosting its EHR in its on-premises data center. Located outside of Wichita, the hospital needed a reliable solution that performed backups and offered a disaster recovery plan in the event of downtime. They also wanted protection against increasing cyberattacks. In addition, they needed a qualified IT professional to manage their infrastructure.

Another 90-bed hospital located outside of Louisville, Kentucky, also wanted to run its EHR in its own data center. Their hardware was antiquated, and they could not afford to replace it. They had already experienced one ransomware attack without backup or recovery capabilities. The new CIO could not ignore this elevated risk to patient safety with another disruption.

Remote hosting was not an option for either hospital due to the lack of reliable internet connectivity, and both had a limited pool of competent and seasoned IT professionals in their respective areas to hire from.

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CloudWave offers a complete suite of services to provide customers with options for end-to-end EMR/EHR, Imaging, and enterprise systems support and management.

OpSus Edge provides fully managed hosting for your EHR and enterprise applications, includes Backup and Disaster Recovery, and provides the level of security needed to ward against today's cyberattacks. A pre-built cloud computing and storage platform installed in a data center or colocation facility is managed remotely by cloud engineers who have spent decades in healthcare IT. OpSus Edge provides all the benefits of a cloud hosting service but on hardware located in the hospitals' own data center.

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CloudWave migrates local applications to OpSus Edge, manages hypervisor and guest OS patching and maintenance, and handles daily operations with integrated monitoring, backup, archiving, and disaster recovery to the secure OpSus Healthcare Cloud.

After meeting with the hospitals to evaluate their existing environment and prioritize their needs, new equipment was shipped to CloudWave's Marlborough, Massachusetts facility, where engineers integrated, configured, and tested the hardware appliances before installing them at each of the hospitals to prepare for their migrations. In addition to allowing a hospital to retire its archaic hardware, their EHR remains protected in a new environment with software and security patch updates provided on a regular basis.

Each hospital was able to choose either a capital or operating expense model or both. This option provided the flexibility needed for healthcare budgets.

With OpSus Edge enhancing availability, improving application performance, and strengthening security, along with alleviating the burden of daily operations, these hospitals could now rest easy and instead fully focus on supporting larger initiatives related to patient care.