



## AWS Cloud provides optimum environment for CloudWave to deliver Disaster Recovery Solution to Kings Daughters

### THE CHALLENGE

Kings Daughters Medical Center (KDMC) is a 99-bed teaching hospital in Brookhaven, Mississippi. Like many hospitals, they sought a hosting solution in 2015 that would not only operate their system and protect their data but provide a seamless transition to access their data during an emergency, if and when the time came.

"When deciding on a complete solution for our hardware and data infrastructure, we needed to make sure there was plan for redundancy, along with a recovery plan in place in case of any type of disaster. This included the assurance of data security, along with testing the speed and integrity of our data and connectivity.", said Carl Smith, CIO at KDMC.

### THE SOLUTION

CloudWave's OpSus Live, built to meet rigorous requirements for security, performance, and compliance in healthcare, included full disaster recovery services. Partnering with AWS, CloudWave engineers configured the test and recovery environment on AWS's secure, geographically isolated platform. OpSus Live backups were redirected to cloud datastores available to the new DR environment. Using integral cloud security techniques CloudWave's team isolated the recovery environment from the access environment, successfully isolating the ePHI embedded in KDMC's EHR and other clinical systems from direct exposure to the Internet. CloudWave's project managers created a test plan, coordinated software vendor participation, and ensured KDMC's team had access to validate data, check interfaces, and run through testing procedures.

When it was time to test the Disaster Recovery solution, CloudWave's OpSus engineers performed the restore and established end user access via Citrix all on the AWS platform. The entire process was transparent to KDMC, who had grown accustomed to yearly DR tests being performed using the OpSus private cloud.

"Provisioning the test environment and executing the DR test on AWS ensured a secure, isolated environment for KDMC.", said Tony Rienzo, Technical Manager of Cloud Service Delivery & Recovery at CloudWave. "The elasticity of public cloud enables a quick deployment and restoration while being fully transparent to the customer."

CloudWave operates and manages KDMC's MEDITECH Electronic Health Record and ancillary systems with OpSus Live and KDMC also subscribes to OpSus Archive, a cloud-based storage solution built for healthcare data archiving. "Working with CloudWave and AWS, we are getting the benefits that public cloud has to offer with the operational expertise of our trusted partner, CloudWave. The ability to test in a secure cloud environment with CloudWave's management and orchestration provides peace of mind.", said Carl Smith, CIO at KDMC.

CloudWave's OpSus Cloud Services help hospitals bring public, private, and cloud edge resources together into a single operating environment to deliver managed hosting, disaster recovery, systems management, security, backup, and archiving services.



### Benefits of OpSus Recover on AWS

- On-demand restoration
- Easily scale up to provide access to users
- Geographic dispersion of AWS' S3 as a backup target to provide geo protection
- Elastic capacity accommodates multiple restorations simultaneously
- CloudWave's expertise building, operating, and restoring healthcare IT environments in the cloud guarantees a successful experience
- AWS offers the ability to meet optimal RTO and RPO targets