

Faster Processing of Medical Data

“We used GridGain technology to create a new and better way to analyze medical imaging.”

An innovative start-up wanted to help doctors and patients get faster answers from medical imaging procedures. GridGain is used for key elements of their on-demand, cloud-based platform.

GridGain 
REAL TIME BIG DATA

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KEY POINTS:

- GridGain's in-memory data and compute technologies enable next generation processing and delivery of medical imaging.
- MRIs and other imaging procedures generate very large data files which are difficult and costly to analyze.
- A disruptive new healthcare company chose GridGain to power advanced and high performance computing processes, with technology that is easy to develop and deploy.



GridGain Systems

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An innovative healthcare start-up combined GridGain technologies with private cloud computing to dramatically improve the way medical images are processed and delivered to doctors and patients.

Business Challenges

Medical imaging techniques, and particularly MRIs, provide incredible information to doctors and patients - but also generate huge amounts of data which are difficult and costly to analyze. Using private cloud infrastructure and in-memory technologies, one company sought to innovate how complex medical imaging data could be processed and delivered.

Technology Solution

Leveraging virtually unlimited and on-demand cloud resources, along with in-memory

compute and data technologies orders of magnitude faster than hard disk drives, this innovative and disruptive medical start-up revolutionized the analysis of MRI image files. Data is sent directly from devices to temporary cloud storage that becomes available as needed. This information is analyzed through parallel processing, yielding greater speed for existing MRI facilities along with overall cost efficiency encouraging wider use of MRI procedures.

GridGain's Advantages

- Leading in-memory high performance computing and data grid technology.
- Developer API is powerful, yet easy to use.
- Data and compute resources scale easily.
- Lower cost, simple licensing options.
- OEM friendly.