

Case Studies

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Oklahoma Medical Research Foundation Store Medical Imaging Data on EnhanceRAID R6

The Scenario

Oklahoma Medical Research Foundation was founded in 1944 for scientists whom could devote their entire careers to help pinpoint the cause of human illness and prevent the cause of deadly disease. Recently, Oklahoma Medical Research Foundation came across a problem in their intensive studies. Oklahoma Medical Research Foundation was currently in the process of developing a computerized information system for the identification of Biomarkers in Lupus (SLE) disease. They knew that huge amounts of data would have to be stored on their servers within no time, especially given the fact that they have an in-house MRI scanner that generates huge volumes of imaging data and this data would need to be archived onto a storage facility. To solve this problem Oklahoma Medical Research must look at RAID controller storage units, which would increase their current and future storage capacity for storing their mission-critical, health care information.

Enhance Experience:

The next step for Oklahoma Medical Research Foundation was to find a dependable and reliable storage device for their medical studies. Their budget was extremely tight, given that they are a non-profit organization, so their purchase must be made under deep consideration. They were looking for a 2U rackmount storage device with RAID capability, a company that was stable and well known in the area of storage solutions and had good customer/technical support service. After an exhaustive research and looking into various storage units and talking to sales people at different companies, Enhance Technology became their number one choice.

They looked at many different products offered by Enhance Technology but the R6 really caught their attention mainly because it was an "All in one unit." The R6 had an array of 6 disks and an empty 5.25" bay that could be used for installing a removable disk unit for off-site backup. The R6 had a next generation 64-bit Scale storage processor that was capable of sustaining data rates up to 265MB/Sec, and offered "web-based" user interface which gave complete storage control over a standard web browser. Additionally, the R6 came with Ultra320 SCSI host interface as a standard connection. The front panel of the R6 has a multi-function display with controls and audible alarms.

The EnhanceRAID R6 helped solve all of their problems. Not only was it cost effective but also provided Oklahoma Medical Research Facility the durability and speed in which the organization was looking for.

About Oklahome Research Foundation:



Oklahoma Medical Research Foundation was founded in 1944 for scientists whom could devote their entire careers to help pinpoint the cause of human illness and prevent the cause of deadly disease. Today, those physicians would barely recognize their creation. With over 300 scientific staff members, including some of the world's foremost immunologists and cardiovascular biologists, OMRF has become one of the nation's leading independent medical research institutes.

About Kenaz H. Thomas:

Kenaz H. Thomas is the Principal Investigator for Clinical Pharmacology Research Program. He has an MS in Applied Genetics from Bangalore University, India and an MBA with emphasis in Engineering and Technology Management from Oklahoma Christian University located in Oklahoma City, OK. Mr. Thomas currently does research on the disease Lupus at the Oklahoma Medical Research Foundation.

About Lester Cohn

Lester Cohn, founder and President PureDV. Studied Art and is alumni of California Institute of the Arts, also further studied Art History at Chicago's Art Institute



His goal is to enhance translational research linking basic research discoveries to clinical trials in patients.



Their major focus is on cardiovascular and immune-modifying therapies. Prior to Medical Research, he has worked for a software development firm in Oklahoma City working with web-related technologies. Currently, Kenaz H. Thomas is a part of the Biomarkers Working Group and him and his team is developing a Bioinformatics application for the identification of Biomarkers in Lupus disease.

System and Application Setup :

Host Systems: Dell PowerEdge 2950 Server

Video/Audio Capture Devices: C-Scan MRI machine made by e-saote, SPA, Italy

Additional Hardware: Tandberg QuickStor RDX internal backup unit (installed on the R6)

"This is just incredible that we can do everything in just one unit! Overall, so far we are very satisfied [with] the R6 and in our opinion EnhanceRAID R6 we got the best bang for the buck!"



EnhanceRAID™ R6

One of the major factors for our decision making was customer service and after sales technical support. Enhance Technology not only has great storage products but excellent customer service. The sales team were friendly and were easy to reach via email/telephone." - Kenaz H. Thomas

About EnhanceRAID™ R6

The EnhanceRAID™ R6 is a compact rackmount RAID storage system that supports up to (6) high capacity SATA (I & II) disks and one additional 5.25" standard bay optioned for Tape (D2D2T) or other removable storage media (DVD or HD-DVD) for offline backup purpose or media exchange. The EnhanceRAID™ R6 Series features a next generation 64-bit Scale storage processor capable of sustaining data rates up to 265MB/Sec, and offers a cutting edge "web-based" user interface which provides complete storage control over a standard web browser. The EnhanceRAID R6 Series of systems features Ultra320 SCSI host interface and with built-in Enhance RAID Engine.

EnhanceRAID™ R6 U320 SCSI Features & Benefits:

- Hardware RAID Intel 80331 500Mhz 64-bit RISC Processor
- Host Bandwidth Ultra320 SCSI and backward compatible
- Disk Supported Serial ATA I&II at 3.0 Gbp/s
- Built in remote access for event log and e-mail notification
- RAID levels supported 0, 1, 0+1, 3, 5, 6, 50, 60 & JBOD
- Support on-line volume expansion & migration
- Support multiple RAID volumes & instant availability
- Optional features include RAID 6

