

► Challenge

To find a storage system that could manage a huge volume of scientific research that would be easily accessible to all researchers.

► Solution

The creation of an IP SAN infrastructure using 2 SANRAD V-Switch 3000 iSCSI switches, with 2 sets of DahengIT ACCSTOR DF 8000F Fibre Channel disk arrays.

► Benefits

- Ultra-high speed access to entire data collection
- Based on familiar IP infrastructure
- Centralized storage management & virtualization
- Dynamic storage allocation
- Compatible with wide range of storage arrays and server operating systems
- Offsite backup guarantees disaster recovery

"By adopting a pair of SANRAD's V-Switch 3000, [the University was] able to realize an architecture based on IP protocol that removed the limits of distance and eliminated bottlenecks found in many 'traditional' network set-ups and freeing them up to concentrate more on their educational initiatives."

Ronnie Pri-Or, VP of International Sales
SANRAD



Beijing Polytechnic University chooses IP SAN Infrastructure

SANRAD - A Smarter, More Affordable SAN Solution

Two of SANRAD iSCSI V-Switch 3000s are now installed at the Video & Image Research Center of Beijing Polytechnic University in China as part of a storage system needed to house a huge volume of scientific research.

With its original direct-attached storage system failing to meet the requirements of its research and development work, the Video & Image Research Center implemented SANRAD's V-Switch 3000s with two sets of DahengIT ACCSTOR DF 8000F Fibre Channel disk arrays to create an IP SAN infrastructure. The new system allows the Center ultra-high speed access to its collection of pattern recognition and image process work under the highest availability.

"Beijing Polytechnic University needed to store and access its vast amount of scientific research experiences and technical engineering skills that they accumulated over the years," said Ronnie Pri-Or, SANRAD VP of International Sales. "By adopting a pair of SANRAD's V-Switch 3000s, they were able to realize an architecture based on IP protocol that removed the limits of distance and eliminated bottlenecks found in many 'traditional' network set-ups and freeing them up to concentrate more on their educational initiatives rather than worrying about administering their storage system."

SANRAD's iSCSI V-Switch 3000 provides iSCSI-networked hosts with secure and trusted access to a variety of logical volumes residing on diverse storage systems within a SAN architecture. Requiring no host agents, it operates in the data path of a storage network, independent of servers and storage, providing a highly scalable and easy to use connectivity and management platform for IT professionals responsible for administering small to enterprise class storage resources.



The iSCSI V-Switch storage management and virtualization features gather all physical storage resources (SCSI, iSCSI and FC) into a single pool, enabling network administrators to define new logical volumes from these pooled resources independent of physical barriers such as enclosures, physical disks, protocols, and distance. Volume management includes volume mirroring, striping, remote copy, volume concatenation, precise LUN carving (as low as a few hundred kilobytes), snapshot, multi-pathing, security, port performance aggregation, selectable quality of service per host, in addition to port, path, and switch failover.

