

► Challenge

To find a cost-effective, feature-rich storage solution that would provide a secure and highly reliable storage infrastructure for their mission-critical data.

► Solution

A SANRAD iSCSI V-Switch 3000 attached to 3 Windows NT Servers, 4 Windows 2000 Advanced Servers, and 1 Linux Red-Hat Server

► Benefits

- Secure and trusted access to logical volumes
- Mission-critical data always available
- Drastically reduced overhead expenses
- Centralized storage management & virtualization
- Based on familiar IP infrastructure
- Compatible with wide range of storage arrays and server operating systems

"In this case, the SANRAD V-Switch provides a centralized storage platform that is shared by 8 heterogeneous application servers. Our iSCSI V-Switch provides fast and highly available access to any organization's mission-critical information."

Ronnie Pri-Or, VP of International Sales
SANRAD



SANRAD Creates a Unified Data Center for Beijing Military Unit

iSCSI IP SAN infrastructure gives access to external disk array storage system

SANRAD iSCSI V-Switch 3000 has been implemented to deliver an iSCSI IP SAN infrastructure at the Beijing Military Unit of China's National Aerospace Center.

The V-Switch was installed and provided a unified, simple and easy to manage storage infrastructure for the Beijing Military Unit's data center. A total of 8 servers are attached to the IP-SAN: 3 Windows NT Servers for supporting Lotus Notes, Web and Database applications, 4 Windows 2000 Advanced Servers for running Net-TV, Network Administration, Issuance and VOD Services, and 1 Linux Red-Hat Server for providing internal Email Services.

"The SANRAD IP-SAN architecture required by the Beijing Military Unit is fairly typical for small and midrange organizations," said Ronnie Pri-Or, SANRAD VP of International Sales. "In this case, the SANRAD V-Switch provides a centralized storage platform that is shared by 8 heterogeneous application servers. Our iSCSI V-Switch provides fast and highly available access to any organization's mission-critical information. We plan to use this first installation as a model that can be followed by all other military units in China, the United States, Europe and the rest of the world that require a secure and highly available storage infrastructure for their mission-critical data.

SANRAD's iSCSI V-Switches provide 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.