SANRAD
A SAN FOR ANY SERVER

Challenge

- To find a cost-effective solution for storing and managing a vastly growing library of ASIC design files without having to install HBA cards in existing servers.

Solution

- An IP SAN using SANRAD V-Switch 3000 EMC CX500.

Benefits

- Allocating and expanding storage capacity to individual servers.
- The entire storage pool can now be performed very quickly without any downtime.
- V-Switch data mirroring Scientific Atlanta can now synchronously mirror data to multiple arrays.
- Data is now accessible even if an individual array goes offline.

"I support a team of 35 demanding ASIC designers. Protecting their data and keeping systems available helps Scientific Atlanta maintain its technological edge. We were searching for a simple and reliable method to mirror our production RAID array without losing data access speed. The V-Switch 3000 answered all of our need."

Dennis Wesson, System Administrator,
Scientific Atlanta

SANRAD helps TV set top designers at Scientific Atlanta, stay tuned in and focused

The sun never really sets on Scientific Atlanta. At any given time, their people, products and systems, or the customers they serve are busy delivering reliable entertainment, information and communications experiences to millions of consumers around the world.

Founded in 1951, Scientific Atlanta has evolved into one of the leading providers of end-to-end networks used by programmers, broadcasters, and cable, telco and satellite service providers around the world. The company is widely recognized for its expertise in video delivery, which many view as an art as much as it is a science.

ASICs are at the core of Scientific Atlanta's set top products. Designing ASICs is very complicated and time consuming, requiring a high degree of design and engineering expertise. The result of all these efforts is ASICs, which deliver leading edge products at a competitive price.

ASIC designers and engineers require the most efficient and reliable IT environments. Data created by ASIC designers is some of the most valuable data in the world and would be difficult and time consuming to recreate if lost.

Scientific Atlanta uses design software from Synopsys running on top of Linux operating systems. 4TBs of capacity is being managed, partitioned and delivered to the Linux servers using SANRAD's V-Switch and iSCSI. The V-Switch ensures that a copy of the data is always available and online.

Future Expansion

Scientific Atlanta currently uses a V-Switch 3000 and EMC CX500 to deliver capacity to Linux servers. Scientific Atlantic will be adding more servers and storage capacity to the IP-SAN as they continue to expand their development base.

Scientific Atlanta Topology