

LeftHand Networks Virtual SAN Appliance for VMware® ESX Virtual Storage Platform

KEY FEATURES AND BENEFITS

LeftHand Networks has integrated SAN/iQ®, the industry leading storage platform, into a Virtual SAN Appliance (VSA) to create a revolutionary virtual SAN.

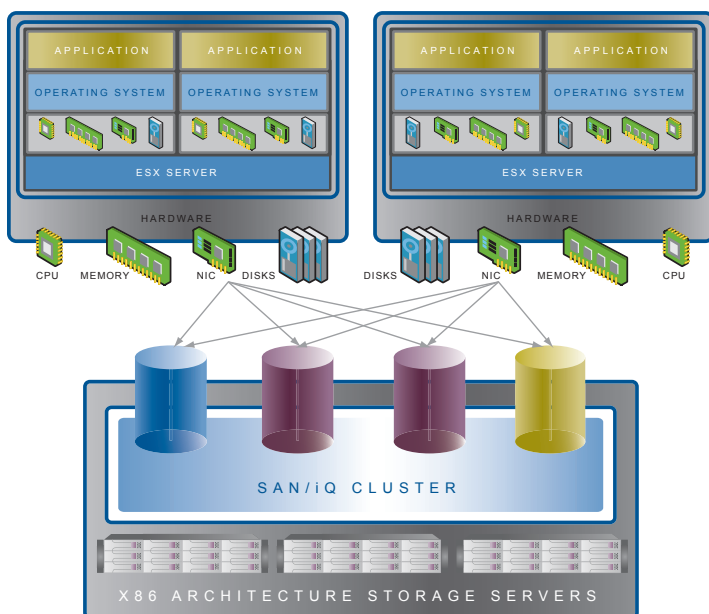
- Certified Virtual Appliance supported on VMware Virtual Infrastructure 3 and ESX Server
- Full featured open iSCSI SAN based on SAN/iQ storage software platform
- Uses internal VMware VI3 server storage to build a true clustered iSCSI SAN
- Combines server virtualization and storage on the same hardware
- Builds a fully redundant SAN without buying additional hardware
- Turns unused storage internal to your VI3 servers into useful capacity
- Enables super efficient configurations in terms of power, cooling, and space requirements
- Enables a DR solution for remote or branch offices that do not have budget, space, or power for a traditional SAN
- Take advantage of VI3's VMotion, HA, DRS, and VCB features
- Run development and test VMs with all VMware VI3 features

THE INDUSTRY'S FIRST VIRTUAL SAN PLATFORM

LeftHand's Virtual SAN Appliance for VMware is the industry's first full-featured, virtual iSCSI SAN. A virtual SAN is ideal for customers who are looking to realize the benefits of advanced server virtualization in data centers and remote offices where physical SAN deployment is inhibited by space and/or budget constraints. Powered by SAN/iQ—LeftHand's storage software platform—a Virtual SAN for VMware converts storage internal to VI3 servers into a clustered iSCSI SAN, providing all of the SAN services necessary for storage provisioning, data protection, management and availability in demanding datacenter environments. You get true clustered storage that's highly virtualized for ease of management. The solution offers scalable capacity and performance along with advanced data availability via LeftHand's Network RAID and multi-site SAN capabilities.

LeftHand's Virtual SAN Appliance consolidates VMware ESX physical storage into virtual pools of iSCSI storage. The clustered virtual SAN is managed from a single intuitive user interface. All available capacity is aggregated and virtualized for iSCSI volume creation. SAN/iQ stripes your data across Virtual SAN nodes using our patented SAN/iQ Network RAID capability. You'll have continuous data availability in the event of a network, disk, processor, or entire server failure. Virtual SAN nodes are aggregated to create an open iSCSI SAN managed as a single entity.

You can also take advantage of a wide range of enterprise-class features, such as snapshots, thin provisioning, synchronous and asynchronous replication, automatic failover and failback, and management through a single pane of glass. For more information on SAN/iQ features refer to the SAN/iQ 7 datasheet.



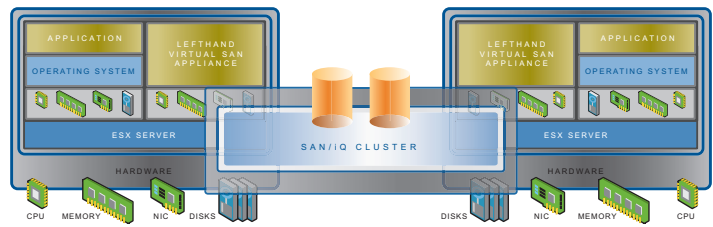
VI3 with traditional SAN

REMOTE AND BRANCH OFFICE SOLUTIONS

LeftHand's Virtual SAN Appliance for VMware enables High Availability and simple Disaster Recovery for remote and branch offices. Locations once considered too small or numerous for implementing SANs can now benefit from the advanced technology VMware VI3 and SAN/iQ provide in larger environments. Utilizing as few as two servers, remote offices can enable all the enterprise class features and remote management once considered out of reach for small offices. LeftHand Virtual SANs can simply copy data over WAN links to SAN/iQ SANs utilizing enterprise class, industry standard x86 hardware. Incorporating all remote and branch offices into the same management used for the corporate data center lowers cost of ownership while simplifying backup and recovery.

EFFICIENT VI3 STORAGE SOLUTIONS

LeftHand's Virtual SAN Appliance for VMware enables aggregation of internal storage in your servers to create clustered iSCSI SAN storage. Internal storage of VMware VI3 servers is typically un-usable for features that require shared storage. Without LeftHand's Virtual SAN this storage is typically relegated to only storing install images for virtual machines. VMware VMotion, HA, DRS, and VCB all require the use of shared or SAN storage. Implementing Virtual SANs on VMware VI3 servers allows for full utilization of all resources within physical servers, including disks. Converting simple internal storage using the LeftHand Virtual SAN raises the usefulness and abilities of resources already being powered, racked, and cooled in your data center. Generating more useable SAN storage from current resources raises your return on investment in virtualization and server storage.



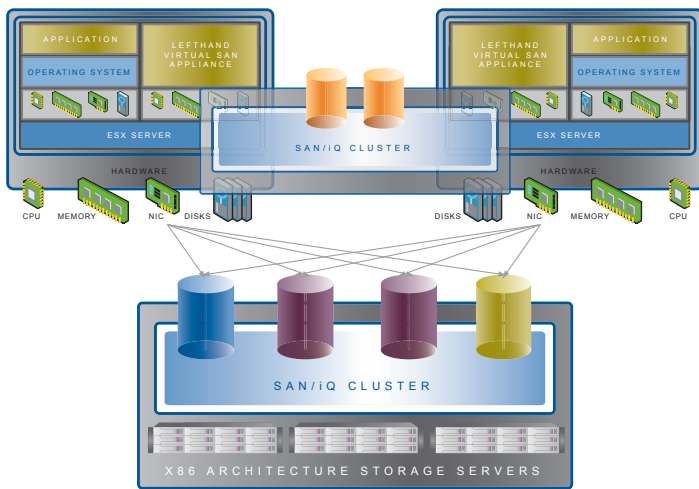
VI3 connected to virtual SAN

SYSTEM REQUIREMENTS

LeftHand Virtual SAN Appliance for VMware requires Virtual Infrastructure 3 with at least:

- 1GB of RAM reserved
- 1 virtual CPU with 2GHz reserved
- 5GB to 2TB of disk space
- A dedicated Gigabit virtual switch

LeftHand's open iSCSI SAN approach lets you take advantage of familiar hardware and virtualization to protect your existing investments. For specific SAN/iQ supported storage platforms, go to www.lefthandnetworks.com/products



VI3 connected to virtual SAN and traditional SAN



ABOUT LEFTHAND NETWORKS

At LeftHand Networks, we deliver physical and virtual SANs that are easy-to-install, easy-to-manage and designed to perform optimally in today's global data centers. LeftHand Networks pioneered IP-based SANs in 2001, and its innovative SAN products are engineered to deliver the highest availability and scalable performance, with integrated enterprise-class features.

Corporate Headquarters
2580 55th Street
Boulder, CO 80301
United States
303.449.4100

European Headquarters
10 Fenchurch Avenue
London, EC3M5BN
United Kingdom
+44 (0) 203.178.3904