

# Clone your Data

## **SANRAD Active-Active Metro Cluster**

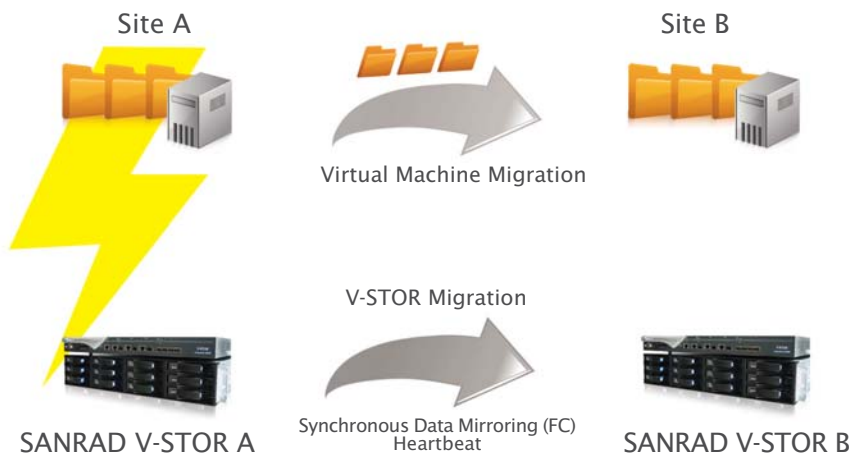
**Cost Effective  
Complete High  
Availability  
Protection  
for Virtual Servers**



SANRAD's V-STOR Active Active metro cluster solution combines the power of SANRAD's V-STOR clusters with Server Virtualization High Availability to provide complete end to end business continuity for Virtual Servers.

SANRAD's campus cluster solution allows you to remotely locate two sites each containing virtual servers serviced by SANRAD's V-STOR intelligent networked storage. The solution provides complete high availability between the sites at both the server and storage layers with each site serving as a live back to back failover location. This cost effective solution ensures zero hours RTO (recovery time objective) and zero hours RPO (recovery point objective) for both Hyper-V and VMw are virtual servers.

# Complete Assurance of VMware and Hyper-V Virtual Machine Availability



- **Integrated with Server Virtualization High Availability**-Seamlessly integrated with Microsoft Windows 2008 Failover Clustering for Hyper-V as well as VMware ESX HA
- **Zero Data Loss (synchronous replication)**
  - Uses the power of SANRAD Storage Virtualization to synchronously replicated data between the sites over FC or IP.
- **Automatic Failover / Failback** - Harnesses SANRAD's iSCSI clustering technology for completely autonomous transfers of all connectivity information between sites without IT intervention.
- **Fast Recovery During Failback** - Quickly bring your system back to a synchronous state by automatically recovering only the delta changes that occurred during failover.
- **Zero Recovery Time** - With storage only failures failover is quicker than application time outs and transparent to virtual machines. The solution Integrates with VMware fault tolerance and Microsoft Virtual Machine Exchange Clustering for zero down time even during complete site failovers.
- **No Server Software Needed** - All High Availability and storage virtualization functionality is completely SAN based and requires no installation of server side software.
- **Cross Campus** - Use dark fiber for a cross campus high availability or integrate with DWDM and SDH/SONET for longer distances.
- **Unlimited Usage License** -High Availability license is included with all V-STOR and V-Switch solutions and is unlimited by number of volumes or amount of replicated data.



Contact SANRAD Sales at  
e-mail: [sales@sanrad.com](mailto:sales@sanrad.com)  
U.S. & Canada: 1-800-471-2616  
International: 1-650-287-2512