

Active Archive for Electronic Medical Records

Revolutionizing Healthcare with Active Archive Storage Solutions for Electronic Medical Records and Imaging

Over the next five years, the Federal Government is projected to spend as much as \$45 billion on healthcare technology systems, largely through a stimulus program known as the Health Information Technology for Economic and Clinical Health Act, or HITECH. Healthcare executives are coming under pressure to produce results and use their ever decreasing IT budgets to prepare for the rapid growth moving towards the Electronic Medical Records within their own hospital and health organizations. Many times the focus is on adding the EMR applications, hardware, and storage to an already overwhelmed data center.

Cirrascale recognizes that the capacity required to store these medical images and records is becoming overwhelming. Traditional storage systems are inefficient and don't scale well as new requirements are added. Healthcare providers and caregivers need a solution that will maintain the security of these records and yet still provide easy access to that important data when needed.

Cirrascale has this difficult HIT task solved. In partnership with Amplidata, Cirrascale is bringing affordable active archive storage to Healthcare providers in a scalable, efficient and always reliable Active Archive. This state-of-the-art Electronic Medical Records Active Archive solution enables Cirrascale to deliver a hyperscalable, object storage infrastructure that meets the highest reliability and availability requirements of healthcare professionals at the lowest possible cost while scaling past multi-petabyte capacities.

The Cirrascale EMR Petascale Appliance utilizes AmpliStor to deliver customizable levels of data durability. Amplidata's unique BitSpread® erasure coding offers more reliability than traditional replication schemes, while consolidating multiple existing tiers of storage. Typically, customers deploy multiple tiers of varied storage types to help decrease costs and provide assurance for data durability. With AmpliStor, a single instance of data provides much higher durability thereby saving customers tremendously on both capital and operational costs. AmpliStor can even come close to the TCO of two copies on tape, while providing the convenience, management ease, and continuous accessibility of disks, along with scalable, multi-gigabyte throughput.

This EMR Petascale Appliance starts with 768TB of raw storage capacity in the Cirrascale BladeRack® 2 XL blade server platform by utilizing 16 storage bricks each containing one advanced storage head node and one 48TB storage disk blade. This configuration allows Cirrascale to deliver the industry's most reliable, cost effective EMR Petascale Appliance on the market.

Features at a Glance

- Unmatched storage durability of data with up to fifteen 9s.
- Data accessible by industry standard protocols - CIFS and NFS.
- API available for accessing data via restful object oriented interface.
- Linux based storage is compatible with all standard hospital formats; Epic, Cerner, Allscripts and others.
- Multi-site capable for implementing disaster recovery archive.
- Utilizes Industry Leading Patented Vertical Cooling Technology™

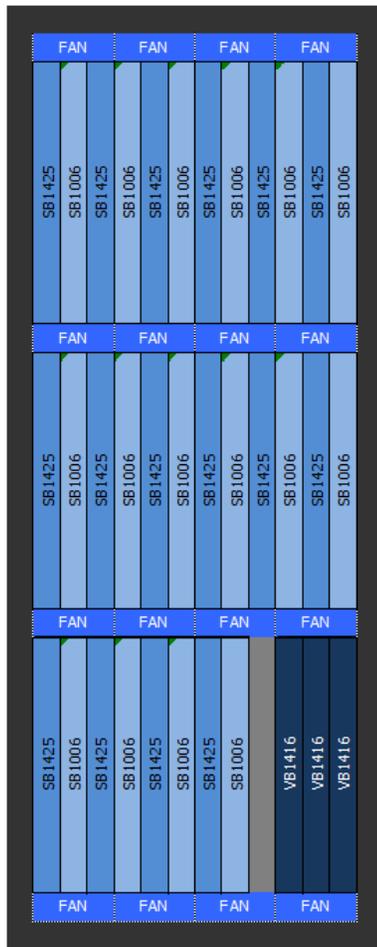


The Cirrascale Electronic Medical Records Petascale Appliance

EMR Petascale Appliance Specifications

Below are the generalized specifications for the Cirrascale Electronic Medical Records Petascale Appliance.

EMR Petascale Appliance Specifications	
Total Blade Capacity	Starting at 36 blades, scalable to 72 blades in same rack
Total Storage Capacity	Starting at 768TB, scalable to 1.5PB in same rack
Cooling Technology	Patented Vertical Cooling
I/O Controller Configuration	Dual Intel® E5 Series Processors 64GB RAM 480GB SSD Cache Dual 10 Gigabit Ethernet
Storage Blade Configuration	Twelve 4TB SATA Drives 6Gb/s SAS Expander
Storage Head Node Configuration	Single Intel E5 Series Processor 16GB RAM Dual 500GB Operating System drives Dual 10 Gigabit Ethernet
Networking	24-port 10 Gigabit Ethernet Switch 24-port Gigabit Ethernet Switch for Management
Software	Amplidata AmpliStor



About Cirrascale

Cirrascale Corporation is a premier provider of blade-based GPGPU, cloud computing and storage infrastructure for conventional and containerized data centers. Cirrascale leverages its patented Vertical Cooling Technology to provide the industry's most energy-efficient standards-based platforms with the lowest possible total cost of ownership in the densest form factor. Cirrascale sells to large-scale infrastructure operators, hosting and managed services providers, Cloud Service Providers, and HPC users. Cirrascale also licenses its award winning technology to partners globally.

Contact Us Today

To learn more about Cirrascale and its unique data center infrastructure solutions, please visit us on our website at www.cirrascale.com or contact one of our Account Managers by calling (888) 942-3800.

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