

Online Medical Archive

Overview

The Online Medical Archive (OMA) is a specialized fixed content archiving solution that helps healthcare providers expedite care, reduce expenditures and accommodate ever increasing medical image retention requirements. The archive incorporates next generation technologies to facilitate high availability and provide permanent long term archival storage for multi-modality DICOM and general purpose data sets.

Advanced hierarchical storage management functions coordinate the replication and verification of data on dual **spinning disks** while intelligent, proactive software facilitates speed and accuracy. All archive processes are automated, eliminating the need for detailed applications and maintenance training. Self discovery and healing techniques identify potential concerns and resolve them before they become an issue.

Immediate access to data, multiple layers of redundancy, enterprise scalability and seamless automation help healthcare providers facilitate better patient care while effectively managing increasing amounts of digital images and critical content.

Benefits

- Quickly, securely and efficiently retrieve prior images to facilitate better patient care
- Manage, store, retrieve and archive images automatically, allowing seamless, expedited patient care
- Dual copies of data, enabling business continuity and fast recovery from unexpected disasters that may occur
- High speed, immediate access to better comply with industry compliance (HIPAA)
- Intelligent, proactive software identifies concerns before they disrupt clinical workflow
- Automated backup and bit by bit file verification to a 2nd spinning disk

Features

DUAL COPIES OF ALL DATA STORED ON SEPARATE SPINNING DISKS (COPY 1, COPY 2)

ALL CONFIGURATIONS UTILIZE INDUSTRY STANDARD HARDWARE SETS

BROWSER INTERFACE OFFERS SYSTEM CAPACITY, AND RECENT DATA ACTIVITY

PROACTIVE VISUAL ALARM AND E-MAIL NOTIFICATION SYSTEM

ADVANCED MONITORING SYSTEM: RECEIPT OF DATA, DISRUPTIONS TO SERVICE

DYNAMICALLY EXTENSIBLE IN THE FIELD TO ANY LEVEL

SCALABLE TO MEET THE STORAGE NEEDS OF ANY FACILITY

TECHNICAL SUPPORT ASSISTANCE VIA REMOTE INTERNET ACCESS

PRIMARY AND SECONDARY ARCHIVES PROVIDE ENHANCED DISASTER RESILIENCY

TOTAL ARCHIVE CAPACITY	3 - 12 TB	15 - 24 TB
Number of servers	Quantity (2) servers per configuration	Quantity (2) servers per configuration
Server	Power Edge 1950 III	Power Edge 1950 III
Operating System	Windows 2003 Standard	Windows 2003 Standard
Software	Commander 2.2	Commander 2.2
Processors	Quad Core Intel Xeon E5405, 2X6 MB Cache, 2.0 GHz, 1333MHz FSB	Quad Core Intel Xeon E5405, 2X6 MB Cache, 2.0 GHz, 1333MHz FSB
Memory	2 GB 667 MHz (4 X 512MB), Single Ranked DIMMS	2 GB 667 MHz (4 X 512MB), Single Ranked DIMMS
Mirrored Hard Drive set	250 GB 7.2 RPM Serial ATA 3Gbps 3.5 - in HotPlug Hard Drive	250 GB 7.2 RPM Serial ATA 3Gbps 3.5 - in HotPlug Hard Drive
Network	Dual Embedded Broadcom NetXtreme II 5708 Gigabit Ethernet NIC	Dual Embedded Broadcom NetXtreme II 5708 Gigabit Ethernet NIC
CD/DVD Drive	24X IDE CD-RW/DVD ROM Drive for Power Edge Servers, All OS	24X IDE CD-RW/DVD ROM Drive for Power Edge Servers, All OS
RAID Controller Configuration	Integrated SAS/SATA RAID 1, PERC 6/i Integrated/SAS6/iR	Integrated SAS/SATA RAID 1, PERC 6/i Integrated/SAS6/iR
Chassis Configuration	Rack Chassis w/ Sliding Rapid Versa Rails and Cable Management Arm, Universal	Rack Chassis w/ Sliding Rapid Versa Rails and Cable Management Arm, Universal
Power Supply	Redundant Power Supply with Dual Cords	Redundant Power Supply with Dual Cords
Power Cords	Power Cord, NEMA 5-15 to C14, 15 amp, wall plug, 10 feet/ 3 meter (Fed into UPS in rack)	Power Cord, NEMA 5-15 to C14, 15 amp, wall plug, 10 feet/ 3 meter (Fed into UPS in rack)
RAID	RAID	RAID
Number of RAID's	Quantity (2) RAID's	Quantity (4) RAID's
RAID	PowerVault MD1000 - External Storage Array, SAS and SATA Support	PowerVault MD1000 - External Storage Array, SAS and SATA Support
Enclosure Management Module	Two Enclosure Management Modules, PowerVault MD 1000, SAS/SATA	Two Enclosure Management Modules, PowerVault MD 1000, SAS/SATA
Server RAID Controller	PERC 5/E SAS external RAID adapter, PCI-Express, for MD1000	PERC 5/E SAS external RAID adapter, PCI-Express, for MD1000
Rack Rails	Versa-Rails, Round Hole - Universal for 3rd Party Racks	Versa-Rails, Round Hole - Universal for 3rd Party Racks
Hard Drives	750GB 7.2 RPM Universal SATA 3 Gbps 3.5 - in HotPlug Hard Drive	750GB 7.2 RPM Universal SATA 3 Gbps 3.5 - in HotPlug Hard Drive
Cables	SAS cable, 1 meter, connects MD1000 to PERC or another MD1000	SAS cable, 1 meter, connects MD1000 to PERC or another MD1000
ACCESSORIES	ACCESSORIES	ACCESSORIES
User Station (X1 Per System)	1 U KMM Console with Touchpad, Keyboard and 17in LCD, Rapid Rails	1 U KMM Console with Touchpad, Keyboard and 17in LCD, Rapid Rails
UPS (X1 per system)	2200 VA URS 120V, Battery Backup and Protection, 2U Rack Mount	3000 VA URS 120V, Battery Backup and Protection, 2U Rack Mount
KVM	USB Style Server Interface Pod (x161DS/180AS/2160AS), Power Edge 180AS	USB Style Server Interface Pod (x161DS/180AS/2160AS), Power Edge 180AS
DIMENSIONS AND POWER (All components arrive in a self contained rack)	DIMENSIONS AND POWER (All components arrive in a self contained rack)	DIMENSIONS AND POWER (All components arrive in a self contained rack)
Rack Size	24 U	24 U
Height	47.2 in. (1119.9 mm)	47.2 in. (1119.9 mm)
Width	23.9 in. (607 mm)	23.9 in. (607 mm)
Depth	39.4 in. (1001 mm)	39.4 in. (1001 mm)
Weight (Rack and Components)	Approx 742 lbs	Approx 918lbs
Total solution BTU's	5180	8040
Total solution Watts	2296	3252
Plug type and number of plugs	Quantity (2) NEMA 5-20P	Quantity (2) NEMA L5-30P