



HEALTH AFFAIRS

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE

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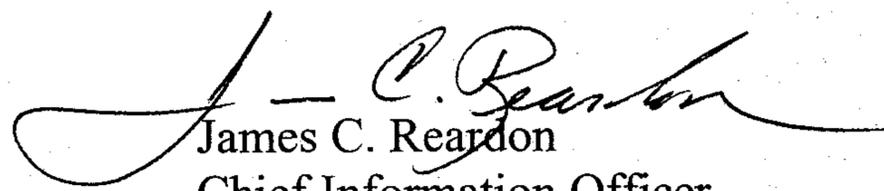
MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY  
DEPUTY SURGEON GENERAL OF THE NAVY  
DEPUTY SURGEON GENERAL OF THE AIR FORCE  
PROGRAM EXECUTIVE OFFICER MILITARY HEALTH  
SYSTEM JOINT MEDICAL INFORMATION SYSTEMS  
OFFICE  
DIRECTOR NETWORK OPERATIONS DIVISION  
INFORMATION MANAGEMENT, TECHNOLOGY &  
REENGINEERING  
CHIEF ENTERPRISE ARCHITECT, MILITARY HEALTH  
SYSTEMS

SUBJECT: Military Health System Minimum Server Hardware Guidance

This memorandum supersedes the "Military Health System (MHS) Minimum Server Hardware Guidance," dated April 11, 2003. This guidance was developed by the Tri-Service Technical Integration Working Group and was coordinated and approved by the MHS Enterprise Architecture Board. All new servers or upgrades acquired using Defense Health Program funding must satisfy minimum requirements stipulated in Attachment 1, MHS Minimum Server Configuration. Industry technical advisors recommend planning a three-to-four year replacement strategy for servers.

This configuration is designed to satisfy the requirements of most common use servers such as print, file and e-mail servers while being adequately scalable to satisfy more robust processing requirements. For application servers hosting centrally managed systems, it is the responsibility of the Program Manager to specify a configuration which will provide adequate performance under anticipated user loads. The MHS Minimum Server Configuration can be exceeded, when necessary, to meet specific needs. Server-sizing assistance may be requested from the Tri-Service Information Management Program Office.

Should you require additional information, please contact the Office of Technology Management, Integration and Standards at (703) 681-6779 or [tmisweb@tma.osd.mil](mailto:tmisweb@tma.osd.mil).

  
James C. Reardon  
Chief Information Officer  
Military Health System

Attachment:  
As stated

## Military Health System (MHS) Minimum Server Configuration

ITEM	MINIMUM CONFIGURATION
Operating System	IAW MHS Operating System Guidance*
Processor	Dual Intel (or equivalent)
Processor Speed	2.8 GHz
Bus Speed	533 MHz
Bus types	PCI, AGP, USB
Data Path Width	32 bits
BIOS	Flash upgradable, Plug-n-Play compatible
L1 Cache	32 KB
L2 Cache	512 KB
Power Supply	110/240 Universal Switchable
EPA Energy Star Compliant	Yes
RAM – Initial	1 GB
RAM – Expanded	4 GB
Hard Drive	3 drives, 18 GB each. (RAID 5 recommended for critical use servers)
Disk Controller	SATA, SCSI-3 (ultra-wide caching) or SCSI Ultra 160
Video Controller: Type Video RAM Resolution	AGP accelerator or PCI 8 MB 1280 x 1024 pixels AGP, 64-bit
Network Interface Card: Support Compatibility	Driver support for Windows 2000 or XP 10/100 Mb/s Ethernet Tx* SNMP IP and Plug-'n-Play
Expandability: PCI Expansion Slots PC- Card Slots External Expansion Bays	4 1 2 (PCMCIA (v2.1) Type II) (front-accessible) (tower only requirement) 2 (tower only requirement)
Serial Ports	2 (16550A UART or USB)
** Floppy Drive	1, 3.5 In., 1.44 MB
** CD-ROM Drive	ISO 9660 compliant
** Video Monitor Size	Color 17 inches **Optional based on system requirements
** Parallel Ports	1 (AT type, EPP, or ECP)
** Pointing Device	2-button mouse
** Tape Drive Storage Capacity	8 mm digital audio tape (DAT) 20 GB
** UPS (Uninterruptible Power Systems)	Optional based upon existing UPS capacity

\* Must be IPv6 capable

\*\* Note: Optional based on technical requirements

Attachment 1