



TRICARE
MANAGEMENT
ACTIVITY

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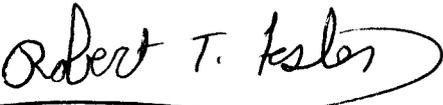
MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY
DEPUTY SURGEON GENERAL OF THE NAVY
DEPUTY SURGEON GENERAL OF THE AIR FORCE
PROGRAM EXECUTIVE OFFICER, JOINT MEDICAL
INFORMATION SYSTEMS OFFICE
CHIEF ENTERPRISE ARCHITECT, MILITARY HEALTH
SYSTEM
DIRECTOR, NETWORK OPERATIONS DIVISION,
INFORMATION MANAGEMENT,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

SUBJECT: Military Health System Minimum Server Hardware Guidance

This memorandum supersedes the "Military Health System Minimum Server Hardware Guidance," July 21, 2006, and updates guidance for minimum Server hardware requirements for all acquisitions using Defense Health Program funds. This policy/guidance is policy for all Military Health System (MHS) centrally-managed Information Systems and networks under the authority of the MHS Chief Information Officer (CIO), and it is guidance for Service specific applications. This guidance was developed, coordinated, and approved by the MHS Technical Integration Working Group and also approved by the MHS Enterprise Architecture Board.

New servers or upgrades must satisfy minimum requirements stipulated in the Attachment, MHS Minimum Server Configuration. The configuration depicted should satisfy the requirements of most common use servers such as print, file, and e-mail servers while being scalable to satisfy more robust processing requirements. If server types other than common use servers are needed, network owners should identify the type of server needed, e.g., blade or rack mountable servers, based on their requirements. For application servers hosting centrally managed systems, it is the responsibility of the Program Manager to specify a Joint Medical Information System Office (JMISO)-approved configuration which will meet anticipated user loads. Programs adopting configurations for application servers that do not utilize JMISO-approved configurations must substantiate their configurations to JMISO from a technological or life cycle cost perspective. Parameters describing the MHS Minimum Server Configuration can be exceeded, when necessary, to meet specific needs. Server-sizing assistance may be requested from the Tri-Service Infrastructure Management Program Office. Industry technical advisors recommend planning a 3- or 4-year replacement strategy for servers.

This guidance will be updated either annually or as required to reflect advances in technology, product availability, and market support. The point of contact for this guidance is the Technology Management, Integration and Standards Directorate, which can be reached at (703) 681-8701 or by electronic mail at tmsweb@tma.osd.mil.


Robert T. Foster
Acting, 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 Core Intel Xeon (or equivalent)
Processor Speed	1.86 GHz
Data Path Width	32 bit
BIOS	Flash upgradable, Plug-n-Play compatible
L2 Cache	4 MB
RAM – Initial	2 GB
RAM – Expanded	8 GB
Video Controller: Type Video RAM Resolution	PCI 16 MB 1280 x 1024 pixels, 64-bit
Network Interface Card: Support Compatibility	Driver support for Windows 2003 10/100 Mb/s Ethernet Tx SNMP IP and Plug-‘n-Play
Expandability: PCI Expansion Slots PC- Card Slots External Expansion Bays	6 2 PCI express 4 PCI/PCI-X 2 (tower only requirement)
Serial Ports	4 USB
IPv6	Must be IPv6 capable in accordance with DoD Memorandum “Internet Protocol Version 6 (IPv6) Policy Update” dated August 16, 2005
User authentication and data protection capability	Trusted Platform Module Version 1.2 or greater, if available

Military Health System (MHS) Minimum Server Configuration

OPTIONAL ITEMS	MINIMUM CONFIGURATION
Hard Drive	3 drives, 80 GB each. (RAID 5 recommended for critical use servers)
Disk Controller	SATA, SCSI-3 (ultra-wide caching) or SCSI Ultra 320
CD-ROM Drive	ISO 9660 compliant
Video Monitor Size	Color 17 inches
Pointing Device	Mouse
Tape Drive Storage Capacity	4 mm digital audio tape (DAT) 20 GB
UPS (Uninterruptible Power Supply)	Optional based upon existing UPS capacity/requirements
Common Access Card (CAC) Reader and Appropriate Middleware	Contact DMDC or local network administrator for CAC Reader requirements