

DHMH Hardware and Software Standards

(Updated March 2014)

These standards were developed by the Office of Information Technology and will be periodically reviewed and revised based on emerging technologies and software development. These standards reflect the minimum configuration level. Configurations which exceed the listed standards are acceptable but lesser hardware configurations are not permitted.

Computer and Laptop Hardware Standards

Desktop Computer (Option 1)		
Category	Standard	Comment
Manufacturer/Model	Dell OptiPlex 7010	
Processor	Intel Core i5	
Processor Speed	atleast 3.2 GHz	
Network Interface	10/100/1000 Ethernet	
Storage	atleast 500GB	
Memory	atleast 6GB	
DVD	8X DVD+/-RW	
Desktop Computer (Option 2)		
Category	Standard	Comment
Manufacturer/Model	Dell Precision T3610	
Processor	Intel Xeon Quad Core	
Processor Speed	atleast 3.0GHz	
Network Interface	10/100/1000 Ethernet	
Storage	atleast 1TB	
Memory	atleast 8GB	
DVD	16X DVD +/-RW and 16X DVD	
Laptop Computer (Option 1)		
Category	Standard	Comment
Manufacturer/Model	Dell Latitude E6530	
Processor	Intel Core i5	
Processor Speed	atleast 2.60GHz	
Network Interface	10/100/1000 Ethernet	
Wireless Network Adapter	802.11 g/n	
Storage	atleast 500GB, 7200RPM	
Memory	atleast 4.0GB	
DVD	8X DVD +/-RW	
Display Size	14.0"	
Laptop Computer (Option 2)		
Category	Standard	Comment
Manufacturer/Model	Dell Precision M6800	
Processor	Intel Core i7 Dual Core	
Processor Speed	atleast 3.00GHz	
Network Interface	10/100/1000 Ethernet	
Wireless Network Adapter	802.11 g/n	
Storage	atleast 750GB, 7200RPM atleast 512GB, SSD	
Memory	atleast 8.0GB	
DVD	8X DV D +/-RW	
Display Size	17.3"	

Monitor		
Category	Standard	Comment
Manufacturer/Model	Dell, LG, HP, NEC, ViewSonic, Samsung	
Size	At least 21' diagonal	
Signal Input	VGA DVI-D with HDCP	<i>analog signal</i> <i>digital video</i>
Dot Pitch	0.264mm or better	

Computer and Laptop Software Standards

PC/Laptop Software Standards		
Category	Standard	Comment
Operating System	Windows 7 Enterprise Windows 8 Enterprise	
Office Application	Microsoft Office 2013 Professional	
Project Management	Microsoft Project Professional 2013	
Diagramming	Microsoft Visio Professional 2013	
Web Content Development	Microsoft SharePoint 2010	
Anti-Virus	Symantec Endpoint Protection v.12	
Email	Google Gmail	
Web Browser	Google Chrome Internet Explorer v.9 Mozilla Firefox v. 27	
Compression Software	WinZip v.18	
Self-Extracting Compression Software	WinZip Self-Extractor v.4.0	
Document Reader	Adobe Reader XI	
Document Publishing	Adobe Acrobat XI Pro	
3270 Terminal Emulation	RUMBA v.8 Attachmate Reflection 2011	
Web Conferencing	Cisco MeetingPlace	

Server Hardware Standards

Server Hardware (Self Contained - Rack Mount)		
Category	Standard	Comment
Server Make & Model	Dell PowerEdge R720	
Processor	Intel Xeon E5	
Memory	64GB	
Controller	RAID 5 for PERC H710	
Disk Storage	atleast 3 x 500GB	
Network Interface Card	dual port Gigabit NIC	
Remote Access Card	iDRAC6	

Server Hardware (Self Contained - Tower) Note: Tower systems not permitted in 201 Bldg Data Center		
Category	Standard	Comment
Server Make & Model	Dell PowerEdge T320	
Processor	Intel Xeon E5	
Memory	32GB	
Controller	RAID 5 PERC H310	
Disk Storage	atleast 3 x 500GB	
Network Interface Card	dual port Gigabit NIC	
Remote Access Card	iDRAC6	
Server Hardware (Virtualization Server - SAN Attached - Rack Mount)		
Category	Standard	Comment
Server Make & Model	Dell PowerEdge R910	
Processor	atleast 2 x Intel Xeon 2.26GHz	
Memory	atleast 128GB	depends on number of virtual servers
Controller	RAID 5 for PERC H700	
Disk Storage	atleast 3 x 146GB 10K RPM	
Network Interface Card	quad port Gigabit NIC	depends on number of virtual servers
Fiber Channel Host Bus Adapter	atleast 1 dual 2/4/8GB	depends on number of virtual servers
Remote Access Card	iDRAC6 Enterprise	
Storage Area Network (SAN)		
Category	Standard	Comment
SAN Make & Model	NetApp FAS Series	

Server Software Standards

Server Software Standards - General		
Category	Standard	Comment
Operating System	Windows Server 2012 R2	
Server Virtualization	VMware vSphere 5.5	
Back-Up	Symantec Back-Up Exec 2010 NetApp SnapProtect	
Asset Management	Microsoft System Center Configuration Manager 2012	
Patch Deployment	Microsoft System Center Configuration Manager 2012	
Remote Administration	Microsoft System Center Configuration Manager 2012	
Anti-Virus	Symantec Endpoint Protection v.12	
Email/Messaging	Google Gmail	
HelpDesk	Solarwinds Web Help Desk	
Reporting	Crystal Reports	
IP Address Allocation	Microsoft DHCP Windows Server 2012 R2	
Name Resolution	Microsoft DNS Windows Server 2012 R2	
Directory Services Authentication	Microsoft Active Directory Windows 2012 Functionality	

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