

Miami-Dade Clerk of Courts

Information Technology Standards



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ACRONYM DEFINITIONS

CD-RW.....	Compact Disk - Rewriteable
CD-ROM.....	Compact Disk – Read Only Memory
CPU.....	Central Processing Unit
DVD-R.....	Digital Versatile Disk - Recordable
GB.....	Gigabyte
HACMP.....	High Availability Computer Multi Processor
MB.....	Megabyte
MHZ.....	Mega- Hertz
NTFS.....	Windows NT File System
PDF.....	Portable Document Format
PVCS.....	Program Version Control System
RAID.....	Redundant Array of Independent Disks
SQL.....	Structured Query Language
SVGA.....	Super Video Graphics Array
TCP/IP.....	Transmission Control Protocol/Internet Protocol
TSM.....	Tivoli Storage Manager
UPS.....	Un-Interruptible Power Supply
XGA.....	Extended Graphics Array

SUMMARY STANDARDS

COMPONENT	MINIMUM STANDARD
DESKTOP:	
Operating System	Microsoft Windows 2000
PRODUCTIVITY APPLICATIONS:	
Wordprocessor	Microsoft Word 2000/Open Office Write
Spreadsheet	Microsoft Excel 2000/OpenOffice Calc
Presentation	Microsoft PowerPoint 2000/OpenOffice Impress
Database	Microsoft Access 2000
E-Mail Client	Microsoft Outlook 2000 & Outlook Web Access
Project Management	Microsoft Project 98/Project 2000
Graphics	Microsoft Visio 2000
SPECIALTY APPLICATIONS:	
Web Browser	Microsoft Internet Explorer 5.5 & 6.0
Antivirus	TrendMicro
Disk Defragmentation	Windows 2000
X-Windows	Hummingbird Exceed 6.x
3270 Emulation	Attachmate Extra 5.0/Quick 3270
Desktop Management	ZenWorks for Desktops 3.2 & 4.0
SERVERS:	
Operating System	Microsoft Windows NT 4.0 SP6.0a, Windows 2000 Server Microsoft Windows NT Advanced Server AIX 4.3.3 & 5L
Network OS	Novell 5.1 & 6.
Hardware	Intel (Standard Servers) IBM RS/6000 (AIX)
Backup	TSM 4.2
Security	Internal Security (AIX & Windows 2000 Servers)
E-Mail	Microsoft Exchange Server 5.5 Enterprise Edition
Web Application Servers	Microsoft Internet Information Server 5.0
DATABASES:	
	Oracle 8 or higher Microsoft SQL Server 7.0 or higher Visual FoxPro
COMMUNICATIONS PROTOCOL:	TCP/IP

INTEL FILE & PRINT SERVERS

COMPONENT	MINIMUM STANDARD
Power	Redundant, UPS required
Fault Tolerance/Disk Configuration	Raid 5
CPU's	Dual 1000 MHz
Network Interface Cards	Dual Ethernet 100 Base-T
Operating System (Type & Version)	Windows NT 4.0, Windows 2000
Monitor	15" SVGA Color
Minimum RAM	512 MB, Minimum Cache 256MB
File Systems	NTFS
3 rd Party Software Requirements	Trend Micro Server Protect
Preferred Manufacturer	Compaq/Dell
Additional Hardware Requirements	Raid Controller Rack Mountable rails Minimum 3 open slots to facilitate system expansion
Pre-Install Option (s)	None
Backup Hardware/Software	TSM 4.1 Enterprise Backup Solution

INTEL DATABASE & APPLICATION SERVERS

COMPONENT	MINIMUM STANDARD
Power	Redundant must include UPS
Fault Tolerance/Disk Configuration	Operating System Drives – Raid 1 Mirrored Database/Application Drives – Raid 5
CPU's	Dual, 1000 MHz
Network Interface Cards	Dual Ethernet 100 Base-T
Monitor	17" SVGA Color
Minimum RAM	1 GB Minimum Cache – Database/Application specific
3 rd Party Software Requirements	Trend Micro Server Protect
Preferred Manufacturer	Compaq
Maintenance	3 year, 24/7, 4 hour on-site, parts and labor included
Additional Hardware Requirements	Raid Controller Rack mountable rails Minimum 3 open slots to facilitate system expansion
Pre-Install Option (s)	None
Backup Hardware/Software	TSM 4.2 Enterprise Backup Solution
Remote Access	Modem and communications software

INTEL WEB SERVERS

COMPONENT	MINIMUM STANDARD
Power	Redundant must include UPS
Fault Tolerance/Disk Configuration	Operating System Drives – Raid 1 Mirrored Database/Application Drives – Raid 5
CPU's	Dual, 1000 MHz
Network Interface Cards	Dual Ethernet 100 Base-T
Monitor	17" SVGA Color
Minimum RAM	1 GB
3 rd Party Software Requirements	Internet Information Server 4.0 TrendMicro or Innoculan
Preferred Manufacturer	HP
Maintenance	3 year, 24/7, 4 hour on-site, parts and labor included
Additional Hardware Requirements	Raid Controller Rack mountable rails Minimum 3 open slots to facilitate system expansion
Pre-Install Option (s)	None
Backup Hardware/Software	TSM 4.2 Enterprise Backup Solution

RISC DATABASE SERVERS

COMPONENT	MINIMUM STANDARD
Power	Redundant must include UPS
Fault Tolerance/Disk Configuration	Database/Application Drives – Raid 5 Root Volume Group – Raid 1 Mirrored
CPU's	Database/Application specific
Network Interface Cards	Dual Ethernet 100 Base-T
Operating System (Type & Version)	AIX 4.3.3 & 5L
Monitor	Serially connected monochrome
Minimum RAM	Database/Application specific
3 rd Party Software Requirements	Oracle 9i
Preferred Manufacturer	IBM
Maintenance	IBM EMO upon warranty expiration
Additional Hardware Requirements	8mm, 20GB Internal Tape Drive RAID Controller, DVD-R
Pre-Install Option (s)	Operating System pre-install option
Backup Hardware/Software	TSM 4.2 Enterprise Backup Solution
Remote Access	Modem and analog line

RISC IMAGE SERVERS

COMPONENT	MINIMUM STANDARD
Power	Redundant must include UPS
Fault Tolerance/Disk Configuration	Database/Application Drives – Raid 5 Root Volume Group – Raid 1 Mirrored
CPU's	Database/Application specific
Network Interface Cards	Dual Ethernet 100 Base-T
Operating System (Type & Version)	AIX 4.3.3 & 5L
Monitor	Serially connected monochrome
Minimum RAM	Database/Application specific
Additional Software	FileNET Image Services 4.3.4 HACMP 3.4.2
3 rd Party Software Requirements	Oracle 9i
Preferred Manufacturer	IBM
Maintenance	IBM EMO upon warranty expiration
Additional Hardware Requirements	8mm, 20GB Internal Tape Drive RAID Controller, DVD-R
Pre-Install Option (s)	Operating System pre-install option
Backup Hardware/Software	TSM 4.2 Enterprise Backup Solution
Remote Access	Modem and analog line

DESKTOPS

COMPONENT	MINIMUM STANDARD	HIGH END/POWER
Power	Single	Single
CPU's	Pentium IV,	Pentium Xeon, expandable to support dual CPU's, 48x CD ROM
Disk Configuration	20 GB hard Drive, 3.5 Floppy, 24/48x CD-ROM	40 GB SCSI, 10,000 rpm Hard Drive, 3.5 Floppy, 48X CD-ROM, DVD
Minimum RAM	256MB DIMMS, expandable	512 MB, expandable to 1GB
Network Interface Cards	Ethernet 10/100 Base-T	Ethernet 10/100 Base-T
Operating System (Type & Version)	Windows 2000 Pro	Windows 2000 Pro
Monitor	17" SVGA, High Resolution, Flat	21" SVGA, High Resolution, XGA Graphics card
File Systems	FAT32, NTFS	FAT32, NTFS
3 rd Party Software Requirements	Novell Client, ZenWorks Client, TrendMicro Antivirus, Microsoft Internet Explorer 6.0, Quick3270, OpenOffice, MS Outlook	Novell Client, ZenWorks Client, TrendMicro Antivirus, Microsoft Internet Explorer 6.0, Quick3270 or Attachmate Extra 6.5, MS Office Suite XP or OpenOffice, MS Outlook
Preferred Manufacturer	HP/Dell/Gateway	HP/Dell/Gateway
Additional Hardware Requirements	Sound Card, 2 USB ports, UL approved surge protector	Sound Card, 2 USB ports, UL approved surge protector Additional ports to support hard drive and RAM expansion
Pre-Install Option (s)	All components (hardware) installed	All components (standard and additional) installed
Backup Hardware/Software	Network, server based CD-RW if standalone	Network, server based CD-RW if standalone
Maintenance	3 Years, On-Site, Next Business Day	3 Years, On-Site, Next Business Day

LAPTOPS

COMPONENT	MINIMUM STANDARD
Power	Single
CPU's	Pentium IV
Disk Configuration	15 GB hard Drive, 3.5 Floppy, 24 CD/DVD
Minimum RAM	256 MB
Network Interface Cards	Ethernet 10/100 Base-T
Operating System (Type & Version)	Windows 2000
Monitor	Active/Passive Matrix (Dependent on laptop-resident applications)
File Systems	FAT32, NTFS
3 rd Party Software Requirements	Norton Antivirus, Microsoft Internet Explorer 6.0, Quick3270, OpenOffice, MS Outlook, Web Access
Preferred Manufacturer	Compaq/Dell
Additional Hardware Requirements	Combo (Modem/Ethernet) PC Card, Backup Battery (in addition to default), Docking Station (if used as desktop), UL-Approved UPS (optional, if used as desktop)
Pre-Install Option (s)	None
Backup Hardware/Software	Network, server based (if attached to sserver) CD-RW if standalone
Maintenance	3 Year, on-site, Next Business Day

PERSONAL PRODUCTIVITY SOFTWARE

COMPONENT	MINIMUM STANDARD
Spreadsheet	Microsoft Excel 2002, Open Office
Wordprocessor	Microsoft Word 2002, OpenOffice
Distribution Format	PDF
Presentation	Microsoft PowerPoint 2002, Visio, OpenOffice
Database	Microsoft Access 2002 (less than 5 users)
E-Mail, Calendar	Microsoft Exchange (Outlook) 2000
Project Management	Microsoft Project 98/2000
Web Browser	Microsoft Internet Explorer 5.0
TIFF Viewer	Acordex Viewer
Mainframe Connectivity	Attachmate Extra 6.5, Quick 3270

PERSONAL DIGITAL ASSISTANT

COMPONENT	Option Available
PDA Style	Blackberry 957
Beeper Style	Blackberry 951
PDA Style w/Cellphone	Blackberry 6510

APPLICATION DEVELOPMENT TOOLS

COMPONENT	MINIMUM STANDARD
Programming Environment/Language	Visual Studio .NET, C#, Visual Basic, Visual Foxpro, Visual Interdev
Source Code Management	PVCS
Application Testing	Mercury Interactive Test Suite