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Eclipsys PeakPractice™ Hardware Requirements

Eclipsys PeakPractice™ hardware specifications are grouped into two areas: Hardware/Software Requirements and Module Component Add-ons. This document does not contain information about network wiring, but rather the hardware required to run PeakPractice. This configuration will serve a practice with approximately 5 users and less than 10,000 charts.

Server Requirements

- Brand name Server such as IBM, HP, or Dell with 24x7x4 hours support is recommended
- Intel Xeon Dual Core processor or higher
- 4GB DDR RAM or higher
- 2 (73 GB) SAS 15K or Ultra 320 10K Hard Drive in a RAID 1 configuration
- Dual Gigabyte NIC (Network Interface Card)
- CD-RW/DVD-ROM
- Integrated Lights-Out feature or equivalent remote management capabilities

Server Software

- Windows 2003 Server Standard
- Windows License agreements (CAL's) - Number of licenses depends on number of users
- MS SQL 2005, Standard Edition – CPU License
- Anti-Virus for Server and workstations
- For 50 + users, load balancing is recommended (two servers and a DAS solution)

Special Note: PeakPractice is a Microsoft Internet Information Service, and Microsoft SQL Database solution which requires a fair amount of the processor and memory resources of your server. For performance purposes do not allocate any other large applications or databases, such as websites or email solutions, to run on your server. If you have any questions about running services such as DNS, DHCP, or other network management applications on your PeakPractice Server, contact Eclipsys Technical Support for more information.

Data Storage Requirements

- 300 GB of either Server based or Direct Attached Storage (DAS)
- Serial Attached Storage (SAS) drives running at 15K or SCSI Ultra 320 drives running at 10K
  - Network Attached Storage (NAS) utilizing iSCSI technology is NOT supported.
  - RAID 5 or greater storage solution is required for Information Assurance purposes.
  - Additional hot spare drive is suggested in the case of hard drive failure.
- Microsoft clustering for SQL 2005 is supported.
- 250 KB of storage space per patient record
- 1 MB (average) per back-scanned patient chart

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Data Assurance

- Option 1. External USB Drives or NAS device with equal capability to storage solution size
- Option 2. Tape Drive with equal capability to storage solution size
- Option 3. Live data replication or virtualization of server in a remote Data Center
- Offsite storage solution of patient data is recommended
- Backup software solution capable of e-mailing results daily
- Microsoft SQL Backup Agent for on-line database backup is suggested
- Microsoft SQL Log file backing up for committing logs is suggested

Network Components

- Determined based upon results of an assessment of your environment
- Generally a Gigabit network is desired however, a 10/100 environment will be sufficient
- Load Balancing option requires other support equipment such as racks, rack-mounted equipment, special cabling, and associated labor costs
- Cisco Products recommended with SmartNet subscription
- CAT5e wiring, CAT6 recommended

Printers

- Network or local Printer which will accommodate a PCL 6 driver

Mobility Preferences

PC Desktop Configuration

- Windows XP SP2 Professional (Vista not approved at this time)
- Internet Explorer Version 7
- 1GB of RAM

Client PC Tablet Configuration

- Windows XP SP2 Professional Tablet
- 1GB of RAM
- Serial to USB Converter (see note)

Note: If using one of the serial devices (Vitals Spot, etc), you will need a COM to USB converter when using a Tablet with no serial input.

Physician Portal/Patient Portal

- SSL Web Server Certificate – Security encryption for patient portal or physicians accessing PeakPractice out of the office (HIPAA requirement)
- A publicly available SSL Certificate purchased through Thawte or VeriSign
- Domain Name Registration – Not needed if a website is in place (this option does not include website design)

Module Component Add-ons

Medical Diagnostic Devices:

- Serial Midmark EKG Device
- Welch-Allyn Vitals Spot Machine with IR receiver

Other Hardware Devices:

- ePad Signature Capture USB device (Per Check-in station)
- MedicScan OCR Card Scanning USB device (Per Check-in station)
- High-speed Internet connection required (T-1 or greater desirable)

Records Back-Scanning:

- Facilities doing extensive back file scanning of paper charts should invest in a second server dedicated to holding images. In order to receive the full speed and benefit of PeakPractice, attempting to store scanned images and run PeakPractice on the same server is not recommended.