VanS or VanS VS Server

These are the lowest minimum requirements for a small system. Larger systems require faster processor(s), more memory, and more disk space.

Hardware
- Current Generation CPU.
- 1GB Memory Minimum + Additional per user memory.
- 1 GB disk space free.
- Redundant hard drive solution recommended (hot swap hard drives and some form of RAID or mirrored drives).
- Backup device using removable media (tape drive or removable USB drives) – Backing up to CDs or DVDs is NOT recommended.
- Dedicated UPS.

Operating System/Software
- Windows Server 2008 either 64-bit or 32-bit
- Windows Server 2003 either 64-bit or 32-bit.
- Workstation operating systems are not recommended, but can be used for very small installations (1-2 user) with the following caveats:
    o Windows 7 Professional/Ultimate 32-bit or 64-bit.
    o Windows Vista Business 32-bit or 64-bit.
    o Machine should be treated and installed as a server and not used as a workstation.
    o Same/similar backup solution is in place as one that would be set up for the server.
    o Hardware is similar in spec to the server OS requirements.
    o Update to server OS required if users increase.
- **All current service packs and Windows updates should be installed.**
- Windows Small Business Server **IS NOT** recommended as you cannot run it as a terminal server.
- Antivirus software with a current virus updates subscription. An automated-update capable network version of an antivirus software product, such as Symantec Endpoint Protections is strongly recommended.
- Automated or Scheduled Backup software with an OPEN FILE option setup on a 5-day tape rotation, plus one monthly tape, one yearly tape and one off-site tape. External USB drives instead of tapes for drive to drive backups can also be used.
- An internet connection is required to allow remote access to the server using some type of remote control software (Remote Desktop in Windows, LogMeIn, GoToMyPC, etc).
- Compusource support login should have administrative access.

- If at all possible the server should be dedicated to VanS. If this is not possible, then it is strongly recommended that it not be used to host MS Exchange or MS SQL Server because those use too many resources to effectively run on a shared server. If a workstation OS is used, the server SHOULD be dedicated to VanS only for performance reasons.

VanS

VanS VS Client

Hardware and Operating Systems:
- Terminal Services Installation (Preferred)
  - o Easiest to install and support.
  - o 1024x768 minimum screen resolution.
  - o Client PCs can be any 32-bit or 64-bit version of Windows that are capable of running the Terminal Server client.
  - o Device CALS and Windows CALS are necessary.
- Client/Server Install Clients
  - o Windows 7 32-bit or 64-bit (1GB memory minimum).
  - o Windows Vista Business 32-bit or 64-bit *(*1GB memory minimum*)*.
  - o Windows XP Professional 32-bit or 64-bit (512 MB memory minimum).
  - o 100 MB free disk space.
  - o 1024x768 minimum screen resolution, but higher resolutions are recommended for some functions like Forms Designer and Dispatch Scheduling.
  - o Internet connection so that we can remote control the desktop in a support situation.

VanS Client

- Windows 7 32-bit or 64-bit.
- Windows Vista Business 32-bit or 64-bit.
- Windows XP Professional 32-bit or 64-bit.
- Network connection to server.
- 30MB free disk space to install U/Gi.

General Recommendations

- 100 BaseT network cards.
- Switches (not hubs) for speed and network traffic isolation.
- No USB only printers.
- Use print servers on printers instead of locally attached printers.
- Internet access to servers (and clients) instead of dial-up access.
- If support must be done via a dial-up connection, then a dedicated phone line should be installed for this and there should be a voice line available near the server.

VanS

DMS Requirements

- Windows 7, Windows Vista and Windows XP in either 32-bit or 64-bit.
  - Older versions of Windows might work, but these are no longer tested/supported.
- Client workstations must be networked and must have a current version of U/Gi installed.
- The VanS server will need to be able to share a folder through network neighborhood.
- At least one workstation needs to have a scanner if documents will be acquired via direct scanning (as opposed to use of a network scanner). The list of supported scanners is below:
  - Fujitsu 5120cu
  - Fujitsu 5110c
  - Fujitsu 5015cu (Flat bed)
  - Xerox Documate 250
  - Xerox Documate 152
- Troubleshooting problems on any scanners not listed above should be done on a T&M basis with no guarantee of success. If the Kofax VRS software is used for scanning, any scanner that it supports **SHOULD** work and that list can be viewed at http://www.kofax.com/downloads/vrs/vrs-scanner-certification-list.pdf but each is subject to the T&M troubleshooting charge if they don't.
- Documents will need to be stored on a server.
  - Disk requirements vary, but the following formula could be used (for black and white indexing).
  - SHIPMENTS_YEAR x DOCS_PER_SHIPMENT x AVG_PAGES_PER_DOC x 20KB = PER_YEAR_SPACE
    - Example: 3600 orders a year, 8 docs per order, avererage 4 pages per doc.
    - 3600 x 8 x 4 x 20KB = 2.3GB per year.
  - Smaller installations can be the same server that runs UBL
  - Larger installations should be a stand-alone server.
    - It needs to have a backup medium and potentially redundancy like RAID and backup power supplies. **If this server goes offline nobody will be able to view images!**
- Current Compusource Utilities should be installed.