



APPRAISAL VISION 6.0 HARDWARE REQUIREMENTS WHITE PAPER

Overview:

Appraisal Vision 6.0 is a client server application running against an Oracle 9i or 10g release 2 backend database. This document contains minimal and recommended configurations for the server, client PC's, and printers. There is also a section on basic networking recommendations that will provide some performance gains.

Disclaimer:

The hardware specifications represent currently or recently available system configurations and are provided first and foremost as a guide for the purchase of new computer systems as part of this upgrade. Clients with existing hardware that does not fall within the specifications detailed below may apply for a support waiver by providing their current hardware specifications to the Customer Support department (customersupport@visionappraisal.com). If it is found that the current hardware specifications are sufficient, the client will be provided with a written response to that affect.

However, because Oracle and Microsoft have already or will be dropping support for Windows 2000 and earlier OS's prior to or shortly after the release of Appraisal Vision 6.0, Vision Appraisal must likewise drop support for these platforms. For that reason, XP is an OS requirement for client PCs, and Windows Server 2003 / 2003R2 or Windows Server 2008 is an OS requirement for the server. The specification guidelines provided below for client PCs are largely in response to the resource intensive nature of these newer operating systems. While the manufacture's minimum requirements are very forgiving, it is our opinion that they are impractical.

SERVER CONFIGURATION

******* Please Note:**

- **Oracle 9i database will only run on 2003 / 2003R2 Server. Oracle 10g database will only run on Windows 2003/2003R2/2008 Server.**
- **Clients in the 30,000+ range may elect to increase the optimal configuration to a dual quad core process configuration, add RAM, and add a third RAID channel (FC or SCSI) for the Oracle indexes to increase performance.**
- **The disk size specs account for one copy of the database. If multiple copies of the database are needed, the appropriate hard disk sizes should be used.**
- **The size of server or client hard drives should account for other applications and any future expansion.**
- **The specifications provided are for a stand alone Oracle server.**
- **GIS and JPEG's for images take up a considerable amount of space, 5000 images needs 300MB at minimum.**

Server Size	Minimum Requirements	Optimum Performance (Recommended)
1-5 Users Server or 1000 to 10,000 Parcels	Intel Dual Core Celeron G1101 2.26 GHz w/2MB Cache 160 GB 7.2k RPM <u>SATA</u> 1GB RAM	Intel Quad Core Xeon X3430 2.4 GHz w/8MB Cache 320 GB under RAID 5 <u>SAS</u> 4 GB RAM
6-10 Users Server or 10,000 to 20,000 Parcels	Intel Dual Core i3 530 w/4MB Cache 320 GB under RAID 5 <u>SATA</u> 2GB RAM	Intel Quad Core Xeon E5530 2.4GHz w/8MB Cache 500 GB under RAID 5 <u>SAS</u> 4 GB RAM
11+ Users Server or 20,000+ Parcels	Intel Quad Core Xeon X3430 2.4 GHz w/8MB Cache 320 GB under RAID 5 <u>SAS</u> 2024 MB RAM	(2) Intel Quad Core Xeon X5660 2.8 GHz w/12MB Cache 2 Channel RAID card 72 Gigs under RAID 1 on 1st Channel (for OS) 500Gigs under RAID 5 on 2nd Channel <u>SAS</u> (for Oracle) 8 GB RAM
Common configurations for all servers sizes	Windows 2003 / 2003R2 / 2008 Server or Stand alone: Windows XP Pro SP3 / Vista (32bit) / Windows 7 (32bit) (64bit with XP-Mode) DVD-Drive Color Monitor 15" Tape Backup Unit 100 MB Network Ethernet Card UPS Backup commensurate with processor power consumption	Windows 2003 / 2003R2 / 2008 Server or Stand alone: Windows XP Pro SP3 / Vista (32bit) / Windows 7 (32bit) (64bit with XP-Mode) Color Monitor 15" DVD-Drive Tape Backup Unit 1000 MB Network Ethernet Card UPS Backup commensurate with processor power consumption

CLIENTS PC CONFIGURATION

******* Please Note:**

- **Oracle 9i client will only run on Windows 2000/XP. Oracle 10g client will only run on Windows XP and later. Vision Appraisal Technology highly recommends against installing Windows 2000 or XP on systems with less than 256 Megs of RAM.**
- **The minimum operating resolution for Appraisal Vision 6.0 is 1024x768. For that reason Vision Appraisal Technology is increasing its minimum recommended client monitor size to 17”**

Minimum Requirements	Optimum Performance (Recommended)
Intel Pentium 4D 2.0MHz or higher 80 GB Hard Drive (7200 RPM) 48X CD ROM Windows XP 512MB RAM Color Monitor 17” 100 MB Network Ethernet Card Small UPS Internet access (At least one Client)	Intel Core 2 Duo 2.0HZ or higher 160 GB Hard Drive (7200 RPM) DVD-Drive Windows XP 2 GB RAM Color Monitor 17” 100/1000 MB Network Ethernet Card Small UPS Internet Access (At least one Client)

PRINTER CONFIGURATION

******* Please Note:**

- **At least one client used for large printing jobs should have sufficient disk space, i.e. 4-6 GB.**

Minimum Requirements	Optimum Performance (Recommended)
HP 4000 Series Duplex Option Legal tray 40 PPM (single sided no graphics)	HP 9000 Series w/64MB 50 PPM (single sided no graphics)

General Recommendations

- Try to keep all Oracle users on the same network backplane as the Oracle server
- If possible, use a 1000 MB connection from the server to the network switch
- If possible, make sure your server hard drives are in a RAID configuration for fault tolerance