



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 95, 98, 98 SE, NT 3.x and NT 4.x prior to or shortly after the release of Appraisal Vision 6.0, Vision Appraisal must likewise drop support for these platforms. For that reason, Windows 2000 or XP is an OS requirement for client PCs, and Windows Server 2000 or Windows Server 2003 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 Windows 2000/2003 Server. Oracle 10g database will only run on Windows 2000/2003/2008 Server.
- Clients in the 30,000+ range may elect to increase the optimal configuration to a quad 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	Pentium III 933 MHz 36 GB SCSI Hard Drive <u>10K RPM</u> 512 MB RAM	Dual Core Intel Xeon 2.4 GHz w/6MB Cache 72 GB under RAID 5 <u>15K RPM</u> 1 GB RAM
6-10 Users Server or 10,000 to 20,000 Parcels	(2) Pentium III 1.4 GHz w/512 K Cache 36 GB under RAID 5 <u>10K RPM</u> 1024 MB RAM	(2) Dual Core Intel Xeon 2.4 GHz w/6MB Cache 72 GB under RAID 5 <u>15K RPM</u> 2 GB RAM
11+ Users Server or 20,000+ Parcels	(2) Xeon 2.0 GHz w 512 K Cache 36 GB under RAID 5 <u>15K RPM</u> 2024 MB RAM	(2) Quad Core Xeon 2.33 GHz Xeon w/2X6MB Cache 2 Channel RAID card 36 Gigs under RAID 1 on 1 st Channel (for OS) 76 Gigs under RAID 5 on 2nd Channel <u>15K RPM</u> (for Oracle) 4 GB RAM
Common configurations for all servers sizes	Windows 2000 Server (SP3) or Windows XP Pro (Single) Color Monitor 15" Tape Backup Unit 100 MB Network Ethernet Card UPS Backup commensurate with processor power consumption	Windows 2000 Server (SP3) Windows XP Pro (Single) Color Monitor 15" Access to a CD-R 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 and later. 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 800 x 600. For that reason Vision Appraisal Technology is increasing its minimum recommended client monitor size to 17”**

Minimum Requirements	Optimum Performance (Recommended)
Pentium III 700 MHZ	Intel Core 2 Duo 2.0HZ or higher
4 GB Hard Drive (800 K free)	80 GB Hard Drive (7200 RPM)
40X CD ROM	48X CD ROM
Windows 2000	Windows XP
256 MB RAM	1 GB RAM
SVGA Card	SVGA Card
Color Monitor 17”	Color Monitor 17”
100 MB Network Ethernet Card	100 MB Network Ethernet Card
Small UPS	Small UPS
56.6 External Modem	56.6 External Modem (At least one Client)
	PC Anywhere Windows

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	HP 9000 Series w/64MB
Duplex Option	50 PPM (single sided no graphics)
Legal tray	
40 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