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Document: Hardware and software specifications

Client:

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Contents

1.	INTRODUCTION & BACKGROUND.....	3
2.	PERIPHERAL HARDWARE REQUIREMENTS	3
3.	RECOMMENDATIONS - HARDWARE AND SOFTWARE REQUIREMENTS	4
4.	LICENSES	5

1. Introduction & Background

This is a sizing document detailing the hardware and software requirements for a new server to implement Sun Systems version 4.3.3 on a windows 2008 server using SQL Server 2008 in a LAN environment based on the following

- ▶ Sun Systems , 20 users
- ▶ VisionQA10, 12 users

The new server platform will be Windows 2008/SQL Server 2008. This would require an upgrade to Sun 4.3.3 and Vision QA10.

Remote access would require an additional server using Terminal Services/Citrix(optional). Sizing can be provided for this on request.

2. Peripheral Hardware Requirements

Network Software/Adaptor

A 10/100 Mbps Ethernet network adaptor is recommended.

Graphics Card

A video card and a monitor supporting 256 colours are required. The settings for the screen area should be set to at least 800x600 pixels.

Software

Any one of the following prerequisites apply for the installation of Sun Systems 4.3, from each of the below:

Databases

- Microsoft SQL Server 2005 SP2 (Standard or Enterprise edition) 32 bit only

Servers

- Windows 2003 R2 Standard and Enterprise Editions
- Terminal Server/Citrix Presentation Server 4.5 & Xenapp(Remote users only)

Clients

- Windows XP Professional (SP3)

.NET Framework

Version 1.1 – Vision QA10

Version 2.0 – Vision QA10, Global Security, Graphical Client

3. Recommendations - Hardware and Software Requirements

3.1 Conditions

The figures are intended only as a guide and vary depending on a number of factors such as heavy reporting requirements, I/O subsystem performance, data volumes and network traffic. Other software requirements should also be considered.

It is recommended that all h/w is expandable so that additional CPU and Memory may be added if required.

3.2 Database Server

Symmetrical Multiprocessing (SMP) Servers can greatly improve the performance of SunSystems 4.2. For smaller data volumes and few users, a single processor is adequate. Where performance is critical or data volumes and the number of users are greater, more than one processor is recommended.

Operating Systems	Windows Server 2008 R2
CPU	1 x Dual core Intel Xeon 3 GHz or above (Quadcore Processors are supported) Must be expandable if additional Processor required in future
Ram Memory	8 GB or above
HD	Systems partition : 30 GB Data partition : 100-150GB (RAID V)
CD Rom Drive	24 X or Higher
Display	1024 x 768 with 256 colors or higher
Software	Microsoft® IE 6.0 SP1 or higher Microsoft® SQL Server 2008 R2 Microsoft® Data Access Components 2.8 (MDAC) or above

Note :

- a). This server must not be a PDC(Primary Domain Controller) or BDC(Backup Domain Controller).
- b). SQL Server standard edition memory usage is limited by the operating system and it's memory capabilities
- c). Novell is not supported

3.3 LAN Client requirements

Operating Systems	Microsoft® Windows XP Professional XP SP2/Windows 7
CPU	1 X Intel Xeon 2.6 GHz or above
Ram Memory	1GB min, 2GB recommended or above
HD	5GB – free space
CD Rom Drive	24 X or Higher
Display	1024 x 768 with 256 colors or higher
Software	Microsoft® IE 6.0 SP1 or higher Microsoft® Data Access Components 2.8 (MDAC) or above Office 2007(For Vision QA10 XL)

4. Licenses

In addition to server licenses the following will be required;

- ▶ SQL Server
 - SQL Server CAL(Client Access License) per user