

Minimum Hardware Specifications for CS-DRMS

	Large Portfolio	Small to Medium Portfolio
A. CS-DRMS Server		
Processor (Number)	Intel Xeon MP 2.2Ghz (2 [*])	Intel Xeon MP 2.2Ghz (1)
Internal Cache	1 MB	1 MB
Memory	4GB DDR SDRAM	2 GB DDR SDRAM
DVD-ROM Drive	48X IDE Internal	
HD Configuration	Split backplane, HD Controller PERC3-QC, 128MB, 2 Internal & 2 External Channels Add-In Card RAID 1/RAID 5 [†]	
HD Drives	73GB [‡] 10K RPM Ultra 160 SCSI	
Number of HD Drives	4	2
Tape Drive	SCSI	
B. Printers and Scanner		
Printer	LaserJet Printer with stacker (Ethernet ready) Black and white printer recommended because of operating cost of colour laser printers.	
Scanner	Fast colour document scanner. For scanning agreement documents and any other related correspondences.	
C. Operating Systems		
Server	Microsoft Windows 2000/2003 Server Edition	
Workstations	Microsoft Windows XP / Vista	
D. Databases		
Oracle	Oracle 9i Release 2 or Oracle 10g v10.0.2	
Microsoft SQL Server	MS SQL Server 2000 (SP3) / MS SQL Server 2005	
E. Workstations		
Processor	Pentium® 4 2.66GHz	
Bus Speed	533Mhx Front Side Bus	
Memory	1GB SDRAM	
DVD ROM	48X IDE Internal	
HD Drives	80GB Hard Drive	
Network Card	10/100mbs	
Software	RDBMS Client Application Microsoft Office Adobe Acrobat Reader	
G. Network		
Network	TCP/IP Network	
Speed	10/100mbs	

* Dual processors provide rapid multi-threaded capability to throughput.

† RAID system is recommended for redundancy as well as maximising efficiency of the RDBMS.

‡ Specification includes more disk space than initially required to allow for future expansion.

Notes:

1. Large portfolios are databases with more than 1000 instruments (loans and securities inclusive). In case of securities, individual bids are considered as instruments.
2. For sites which intend to use Management Tools considerably, these specifications should be considered as minimum.
3. All hardware specifications should be considered as minimum. Users are encouraged to exceed the specifications where necessary especially in the light of the database to be used. Our tests have also shown that increasing the number of processors does have a huge impact on the performance of the system.
4. Users are encouraged to choose the RDBMS intelligently to take advantage of available local resources.
5. Users are also strongly advised to tune their respective RDBMS in order to get the best out of the RDBMS. This should be considered as a separate exercise from CS-DRMS.