



RE: Required specifications for running TimeKeeper using Terminal services (Citrix) under WIN2000 server

As per your request, following are the required server specifications for running TimeKeeper on a terminal services (WIN2000 OS/ WIN2003 OS) environment

SERVER Requirements

Issue / component	Minimum	Recommended	Remarks
Server			
RAM Memory (in MB)	0.5 GB	2 GB	Note: 256 MB are the minimum required for running Win 2000 Advanced server OS
Additional RAM Memory for each distant workstation	40 MB		
CPU (In MHZ)	800MHZ	3.8 GHZ	
Disk Size (in GB)	40 GB	160 GB	At least 100 MB free
Communication			
Line speed (MB Per Second)	100		e.g. standard 3com network adapter
WAN	128 K	512 K	
Operating System			
Operating System	Windows 2000 Server	Windows 2003 Server	
Protocols	Windows 2000 Terminal services	Windows 2003 Terminal services	

WORKSTATION Requirements

Issue / component	Minimum	Recommended	Remarks
Workstation			
RAM Memory (in MB)	128 MB	512 MB	
CPU (In MHZ)	400 MHZ	800 MHZ	
Operating System			
Operating System	WIN98 or Win2000 / XP		
Software	Terminal Service Client		
Communication			
WAN	128 K	512 K	

Important:

1. If the server is used for both Terminal Services and MS-SQL, see "TK-SQL System requirements" document. Note that utilizing the same server for both Terminal Services and MS-SQL is not recommended (this might allow security breaches).
2. One of the known issues with terminal services is report generation due to the network "traffic" required (the report's data is sent to the local workstation). If there are selected workstations that generate reports that exceed 100 pages (e.g. 100 timecards), it is strongly recommended to purchase "Thin Print" software in order to reduce the network "traffic" and improve performance.