



# Minimum & Recommended System Requirements

TimeKeeper SQL HumaNet and TK  
Analytics Configuration

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# Synerion Systems Minimum & Recommended System Requirements for TKSQL, Humanet and TK Analytics

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This document itemizes system requirements necessary for the installation of these systems when installed at the same site:

- **TimeKeeperSQL**
- **Humanet**
- **TK Analytics**

## Server Requirements

	Minimum	Recommended
<b>Processor</b>	Dual-Core Intel® Xeon® Processor 3.00 GHz	Quad-Core Intel® Xeon® Processor 3.33 GHz
<b>Memory (RAM)</b>	4 GB DDR2 600 GHz	8 GB DDR3 1333 GHz
<b>Hard Disk Free Space<sup>1</sup></b>	60 GB	140 GB <sup>2</sup>
<b>Hard Disk Configuration</b>	RAID 0 (Mirror)  RAID 5	
<b>CD Drive</b>	Required	
<b>Operating System</b>	Windows Server 2003 R2 SP2 Standard 32 bit/64 bit  Windows Server 2008 Standard 32 bit/ 64 bit <sup>3 4</sup>	
<b>Environment</b>	IIS to run ASPX pages (version 2.0.50727)	
<b>Platform</b>	Microsoft .NET Framework 2	
<b>SQL Database<sup>5 6 7 8 9</sup></b>	SQL Server 2005 Standard SP3 32 bit/64 bit  SQL Server 2008 Standard 32 bit/64 bit <sup>10</sup>	
<b>Office</b>	2003 SP2	2007
<b>Web</b>	IIS 6/ IIS 7	
<b>Permissions</b>	During installation, Administrator permissions are necessary on the server and on the databases.  For routine ongoing work, DBO permissions are necessary on the database and Local Admin permissions are necessary on the server.	
<b>Server Collation</b>	Hebrew Case insensitive	

1. Additional disk space may be required according to the size of the client site.
2. A distribution between three physical discs is recommended: 60, 40, 40 as follows: 1. Word files, 2. data storage and 3. Database logs
3. Windows 2008 64 bit system does not currently support conversion of TimeKeeper 2000 to TimeKeeper SQL.
4. Windows 2008 R2 is not currently supported.
5. The data file (MDF) and the log file (LDF) should be separated.
6. In order to use the report generator, Reporting Services must be installed.
7. In order to use TK Analytics (BI), Analysis Services and Integration Services must be installed.
8. In order to run the Recruitment system, the Full Text Search component must be installed.
9. The management tool for SQL Server must be installed.
10. To run TK Analytics (BI), the Microsoft ADOMD.NET and SQLXML4 components must be installed.

# Client Requirements

	Minimum	Recommended
<b>Processor</b>	Pentium 4 3.0 GHz	Intel® Core™ 2 DUO 2.93 GHz
<b>Memory</b>	Windows XP—1 GB DDR Vista and Windows 7—2 GB	Windows XP—2 GB DDR2
<b>Screen</b>	VGA or higher resolution <sup>1</sup>	
<b>CD Drive</b>	Required	
<b>Operating System</b>	Windows XP  Windows Vista  Windows 7 <sup>2 3 4 5</sup> 32 or 64 bit	
<b>Data Components for OS</b>	MDAC 2.6 or greater	
<b>SQL Database</b>	CAL license for every workstation	
<b>Permissions</b>	Administrator permissions should be assigned to the user on the workstation.  The user should be assigned read/write permissions for the Humanet+TKSQL network library.  The user should be assigned full permissions for the local Humanet library.  Every end user should be assigned DBO permissions on the database.	
<b>Internet Explorer</b>	Versions 6.1-8	
<b>Optional Additional Equipment</b>	Scanner (speak with the support representative regarding scanner types supported by the system)	

1. For graphic tools, 800X600 resolution or higher is required.
2. In order to run the system, a regular user should be defined at the workstation from the domain with the default permissions, not including administrator privileges. Reading/writing permissions are needed for the system folder. In order to install or perform registration, Administrator permissions are required.
3. Windows 7 64 bit does not support single user plugs (HASP).
4. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed. To support Hebrew, the Microsoft hot fix must be installed.
5. Conversion from TK2000 to TKSQ is not currently supported by 32 & 64 bit systems on Windows 7

NOTE: Administrator permissions should be assigned to the user on the workstation. Administrator permissions should be assigned to the user on the workstation.

## Remote Support

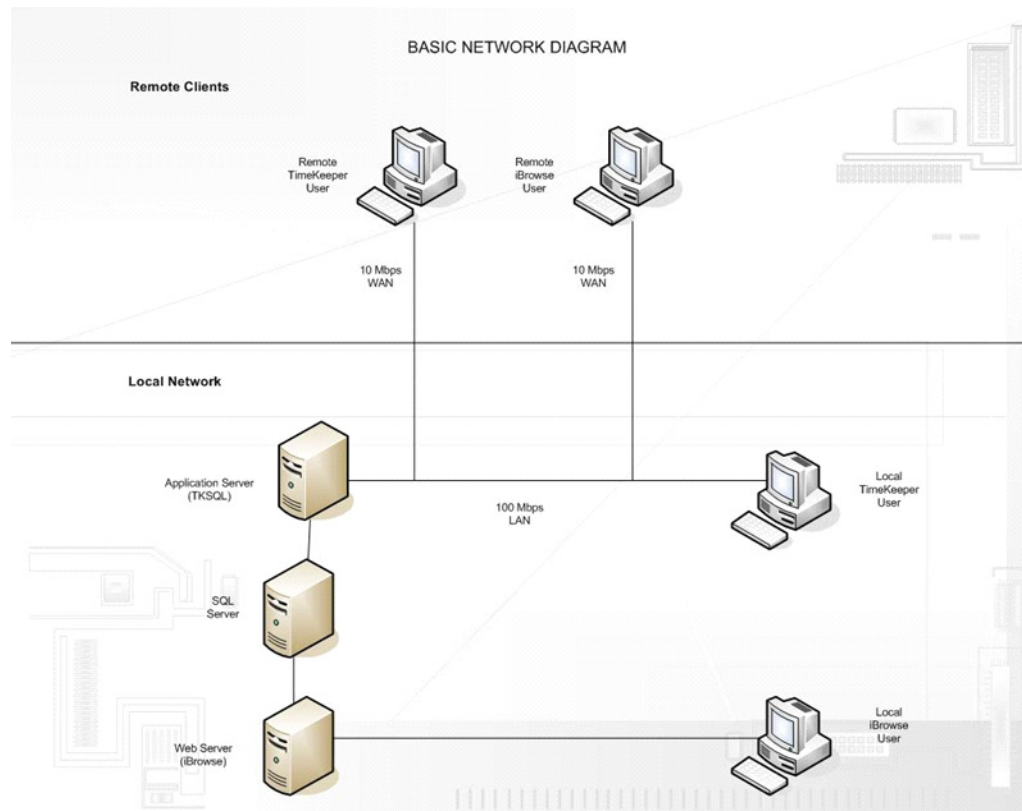
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In order to receive remote support, one of the following options must be installed:

- NetViewer (Recommended)
- TeamViewer (Recommended)
- Checkpoint VPN SecureRemote
- Cisco VPN Client
- PCAnywhere with an IP connection

## TKSQL Network Layout

After setting up the network for the **Synerion Systems** applications, a sketch should be made for future reference, similar to the following:



On the sketch the following should be indicated:

- The site at which the installation was performed
- Any remote sites, if relevant
- Speed of the lines
- Whether terminal services are in use
- Whether a firewall is in use, what firewall and where it is located