

CHAMP HIPAA Version 2

Technical Specifications: Agencies with 11 - 25 workstations

If your agency does not have SQL Server™

First determine how many workstations will use CHAMP HIPAA Version 2.

Agencies with 11 - 25 workstations

Recommended Server Configuration

We recommend agencies with 11 - 25 workstations run Microsoft® SQL Server™ 2000 Standard Edition on Windows® 2000 Server or Windows® Server 2003. It cannot be a server running Novell (Netware or other products).

If you plan to install the SQL Server™ 2000 on an existing server, consult an administrator to determine if a memory or hard drive upgrade is required to support SQL Server™ 2000.

Recommended hardware specifications for the server include the following:

- Pentium III 1Ghz processor
- 256 - 512MB RAM
- RAID 1 or RAID 5 fault-tolerant hard drive configuration
- 250MB of hard drive space for SQL Server™
- Additional hard drive space will be needed to allow for client data being added to the MSDE database. Data storage needs will grow each year depending on your agency's usage of the software. If you are a new customer, you can anticipate storing 200-500MB of data each year. Please note that this number is only a rough estimate, and is dependent on your agency's usage of the software.

A dedicated server is desirable, but not an absolute necessity. CHAMP performance will be reduced to a degree if the server is also used for other purposes, such as a print server, file server, or workstation.

Windows Server 2003 Operating System

We have successfully performed testing of CHAMP HIPAA Version 2 with Windows Server 2003. Windows Server 2003 is secure by default, which means there are many new security features and settings that by default are set for a very high level of security. Security, of course, is a major aspect of HIPAA compliance and this will be to your benefit. However, this may cause significant difficulty as you configure the Windows Server 2003 server with your existing network. CHAMP will not be able to assist you with this network configuration.

For additional information, please explore articles on the following website:

<http://www.microsoft.com/windowsserver2003/upgrading/w2k/default.mspx>

Also consider the article, "Benefits of Using Windows Server 2003 with SQL Server 2000":

<http://www.microsoft.com/sql/techinfo/planning/winsvr2003benefits.asp>

Installation

CHAMP HIPAA Version 2 will come with an installation CD and documentation to install and configure the MSDE on the server or dedicated workstation.

If your agency already has SQL Server™™

CHAMP HIPAA Version 2 will require SQL Server™ 2000 Standard or Enterprise Edition running on Windows® 2000 Server or Windows® Server 2003. It cannot be a server running Novell (Netware or other products). A dedicated server is desirable, but not an absolute necessity. CHAMP performance will be reduced to a degree if the server is also used for other purposes, such as a print server, file server, or workstation.

If your SQL Server™ is already used by other applications, an administrator will need to determine if it can handle the addition of CHAMP HIPAA Version 2 to its workload. Please contact us if you have questions about assessing the performance of your SQL Server™, and we will do our best to help you.

If your SQL Server™ has a Processor License, then Client Access Licenses (CAL) for each workstation accessing SQL Server™ 2000 will not be needed. However, if your SQL Server™ does not have a Processor License, a CAL is required for each workstation accessing SQL Server™ 2000 (CALs are not concurrent). If a workstation already has a CAL because it is using SQL Server™ for another application, you do not need another CAL for that workstation.

Further SQL Server™ Configuration Information

CHAMP will use the default instance of SQL Server. It will not function properly on a named instance.

Further details and installation checklists are available on-line at <http://www.champsoftware.com/support/install.html>.

Database Backups

SQL Server™ exclusively locks the database files while it is running so that no other software can read or write to them. This is to make sure unauthorized workstations cannot access or manipulate the data. Therefore, attempts to copy the files through standard backup methods will fail.

To facilitate backups, SQL Server™ has its own backup routines. **For agencies with SQL Server™ 2000 Standard or Enterprise Edition**, we recommend that administrators create a backup maintenance plan using the SQL Server™ Enterprise Manager utility. Administrators can also restore data using the SQL Server™ Enterprise Manager. A Microsoft® reference resource can be found at: <http://www.microsoft.com/technet/treeview/default.asp?url=/technet/prodtechnol/sql/maintain/mo-nitor/c11ppcsq.asp>

For agencies with the MSDE, we will include a utility called ServerTools with CHAMP HIPAA Version 2 that allows administrators to easily perform automated backups by specifying a schedule and location to backup the database files. We suggest that the location used to store backups be a different computer than the one running the MSDE for CHAMP HIPAA Version 2. It is our goal to allow setting up the backups so that they run automatically, with no user

intervention except for setup and periodic checks to make sure it is working. CHAMP HIPAA Version 2 will also include instructions outlining how to restore data from backups.

Database Authentication

The CHAMP HIPAA Version 2 installation CD will install the CHAMP database on your SQL Server™ and will create a SQL Server™ Login account for the software package to connect to the database. Individual users of CHAMP HIPAA Version 2 will not need individual SQL Server™ Login accounts to connect to SQL Server™.

Network Speed

For optimal transmission of CHAMP data over an in-house network, we recommend a 100 megabit switched network between the server and workstations. Client workstations should have a 100 megabit network card.

Workstation Requirements

There are three CHAMP workstation configurations: stand-alone, office, and mobile.

Stand-alone Workstation

Typical for agencies that have only one computer running CHAMP. In this case, the CHAMP database resides on the same workstation as the software. These workstations will use the MSDE as described in the first section of this document, "If your agency does not have SQL Server™".

Office Workstation

In this case, the CHAMP database resides on a network database server, never on the local machine. An example of this type of workstation is a desktop computer that only stays in the office and that never stores CHAMP data on its hard drive.

Mobile Workstation

In this case, the CHAMP database resides on a network database server and charts are "checked out" to a local database running on the mobile workstation. Mobile workstations can run CHAMP away from the office and later "check in" charts when reconnected to the office network. Workstations that access CHAMP data locally will use the MSDE as described above, which requires Windows® 2000 or Windows® XP Professional. An example of this type of workstation is a laptop computer that uses transfer to check out client charts to its local hard drive in order to work out of the office.

Recommended Workstation Specifications

	Stand-alone Workstation	Office Workstation	Mobile Workstation
Operating System	Windows® 2000 Professional or Windows® XP Professional*	Windows® 2000 Professional or Windows® XP Professional	Windows® 2000 Professional or Windows® XP Professional*
Processor	Pentium III or IV, 1Ghz	Pentium III or greater, 466Mhz	Pentium III or greater, 466Mhz
RAM	256MB	256MB	256MB
Network Card	N/A	100 megabit	100 megabit

*This is required; otherwise CHAMP will not run.

CHAMP will run on machines with other specifications but users may experience reduced performance. Workstations must be running the most recent Microsoft operating system Service Pack. Successful installation may depend on components applied in Service Packs.

Further Configuration Information

Instructions on how to install CHAMP HIPAA Version 2 on desktop and mobile workstations and how to configure those workstations to work with the MSDE or SQL Server™ will be distributed with the installation materials. Stand-alone and server installation documentation will also be provided with the installation materials. This documentation is available on-line at <http://www.champsoftware.com/support/install.html>.