

Trams Product and Services Computer Hardware Requirements

Recommended Server Configurations

Network Card, CD-ROM For Backups, Flash Drive, Thumb Drive (No Zip Drive support), Internet Access (for downloading updates)

The recommended operating system, speed, memory and hard disk space for your ClientBase Server varies depending on number of simultaneous users you have connecting to it.

SPECIAL NOTES:

- **Single User** installations are loaded on **ONE** workstation only, and cannot be networked.
 - Dot Matrix printers are **not** supported.

Minimum Workstation Configuration

Pentium4® 2 GHZ or higher 1 GB RAM 80GB Hard Drive
17" Color Monitor Network Card CD-ROM
Windows 7 with Interbase 2007
Minimum supported version of MS Word to 2003

1 – 5 Simultaneous Users:

Dedicated PC (not used as a workstation)
Vista, Windows 7, Windows Server 2003
Windows Server 2008 with IB2007

Pentium 4 2.4+GHz® 1 GB RAM
80+GB Hard Drive

6– 10 Simultaneous Users:

Dedicated PC (not used as a workstation)
Vista, Windows 7, Windows Server 2003
Windows Server 2008 with IB2007

Pentium 4 2.4+GHz® 1+GB RAM
120+GB Hard Drive

11 - 50 Simultaneous Users:

Dedicated PC (not used as a workstation)
Vista, Windows 7, Windows Server 2003
Windows Server 2008 with IB2007

Pentium 4 Dual Core 3.2+GHz® 2GB RAM
200GB Hard Drive Hardware Raid 5

Local Area Network (LAN) Recommendation

10/100 MBPS Ethernet Speed with CAT 5 Cables

**For large databases (over 20,000 profiles) your Server's memory should be at least 2GB RAM.

**For over 50 simultaneous Users consult your network administrator or the Trams Hardware desk at hardware@trams.com.

Special Note for TBO Users: ClientBase and TBO share the same database. This means the existing TBO database may need to be moved to a server that meets the ClientBase requirements above.

Considering New Hardware?

Review the following for both ClientBase and Trams Back Office

Trams Back Office/CB Optimal Dedicated Server Hardware (10 or more users):

- 4+ GHZ CPU*
- 2+ GB RAM*
- Vista, Windows 7, Windows Server 2003 with IB2007, Windows Server 2008 with IB2007
- Four 80+ GB SCSI Hard Drives In Hardware RAID 5 Configuration (for databases over 20,000 profiles or 20+ Users)

Trams Back Office/CB+ Optimal Dedicated Server Configuration (10 or more users):

- Vista, Windows 7, Windows Server 2003 with IB2007, Windows Server 2008 with IB2007, Windows XP installed as a Member Server of a workgroup or a domain

For databases over 20,000 profiles or 20+ Users:

- Three separate volumes. One volume on each drive: C:, D:, and E:.
- The C: drive should be the Boot/System volume, as well as the drive of which programs (TBO, CB, Interbase) will be installed.
- The D: drive should be dedicated for temporary files. Environmental Variables in Windows 2000 should be modified to make TEMP and TMP point to D:\Temp.
- The E: drive should be dedicated for the Interbase database file(s). A folder called Database should be created under the E: drive and the trams.ib should be placed in there. The Alias Utility on all workstations including the server should be modified to reflect the changes.

*Increasing these specs, results in increased performance. Since the E: drive is where the database resides, this drive's size can be increased to accommodate future growth.

Remote Access Recommendations

If you are planning to access the ClientBase program remotely, the speed of your connections will have a significant impact on the performance speed of ClientBase at the remote workstations.

Server Connection Speed: T1 Line Recommended.

Remote Workstation Connection Speed: 512KPS or greater (per simultaneous remote workstation).

** If connection speed is less, Terminal Server, the Browser Version of ClientBase or ClientBase synchronization is recommended. For more information on these remote access options, contact marketing@trams.com or call 310-641-8571.