



## Hardware and Software Recommendations

Although your current hardware may be sufficient to run Visual 2000 DPMS or IIS, we do recommend the following configurations for the best performance.

When you consider on server, company growth rate is the key part of selecting right hardware that will last at least 5 years.

### Visual 2000 Client (PC)

In order to best run the new Visual 2000 SQL version, each client PC should be equipped with:

- Intel Dual Core Processor or higher.
- Minimum 1GB is recommended for XP, 2GB or higher for Vista and Windows 7
- 10 GB of available disk space per database.
- 17" monitor or bigger with minimum 800x600 resolution.
- Standard keyboard / mouse.
- Win XP, Vista and Windows 7.

### Small server or Powerful PC (1 – 4 Users)

The powerful PC will be Visual 2000 workstation and also the server for other Visual 2000 stations.

- Intel Dual Core Processor or higher
- Minimum 4GB RAM
- 50GB available disk space (RAID1 mirrored drive configuration for data protection)
- Standard keyboard / mouse
- Microsoft Windows 7 64bit OR Windows 2008 64bit
- Microsoft SQL Server Express Edition OR Higher
- 1 GB/S Local network connection
- High speed internet connection for remote support

### Dedicated Server (5 – 8 users)

The backend server should be:

- Intel Xeon 3000 series Processor or better
- Minimum 8GB RAM or higher
- 80 GB available disk space (RAID1: mirrored drives) SAS 10KRPM or faster
- Standard keyboard / mouse
- Microsoft Windows 2008 Server 64bit.
- Microsoft SQL Server 2008 64bit Workgroup Edition or higher
- 1 GB/S Local network connection
- High speed internet connection for remote support.

### Dedicated Server (9 –15 users)

The backend server should be:

- Two Intel Dual Core Xeon5500/5600 series Processor or better.
- Minimum 16GB RAM or higher
- 80GB available disk space in SAS 15KRPM with RAID10 Configuration
- Standard keyboard / mouse
- Microsoft Windows 2008 Server 64bit
- Microsoft SQL Server 2008 64bit Standard Edition or higher.
- 1 GB/S Local network connection
- High speed internet connection for remote support.



### **Dedicated Server (15-29 users)**

The backend server should be:

- Two Intel Quad Xeon 5600 series processor or equivalent.
- Minimum 24GB RAM or higher
- 80GB available disk space in SAS 15KRPM with RAID10 Configuration
- 100GB available disk space in SAS 15KRPM with RAID1 Configuration for Operating System
- Standard keyboard / mouse
- Microsoft Windows 2008 Server 64bit
- Microsoft SQL Server 2008 standard 64bit edition or higher.
- 1 GB/S Local network connection
- High speed internet connection for remote support.

### **Dedicated Server (30- 49 users)**

The backend server should be:

- Two Intel Quad Xeon 5600 series processor or equivalent.
- Minimum 32GB RAM or higher
- 80GB available disk space in SAS 15KRPM with RAID10 Configuration
- 100GB available disk space in SAS 15KRPM with RAID1 Configuration for Operating System
- Standard keyboard / mouse
- Microsoft Windows 2008 Server 64bit
- Microsoft SQL Server2008 standard 64bit edition or higher.
- 1 GB/S Local network connection
- High speed internet connection for remote support.

### **Dedicated Server (50 - 100 users)**

The backend server should be:

- Two Intel Quad Xeon 5600 series processor or equivalent.
- Minimum 48GB RAM or higher
- 80GB available disk space in SAS 15KRPM with RAID10 Configuration for DATABASE
- 100GB available disk space in SAS 15KRPM with RAID10 Configuration for Operating System
- Standard keyboard / mouse
- Microsoft Windows 2008 Server 64bit (enterprises edition)
- Microsoft SQL Server 2008 standard 64bit edition or higher.
- 1 GB/S Local network connection
- High speed internet connection for remote support.

### **Dedicated Server (75 - 125 users)**

The backend server should be:

- Two Intel Quad Xeon 5600 series processor or equivalent.
- Minimum 48GB RAM or higher
- 80GB available disk space in SAS 15KRPM with RAID10 Configuration for DATABASE
- 120GB available disk space in SAS 15KRPM with RAID10 Configuration for Operating System
- Standard keyboard / mouse
- Microsoft Windows 2008 R2 Server 64bit (enterprises edition)
- Microsoft SQL Server 2008 R2 enterprises edition.
- 10 GB/S Local network connection
- High speed internet connection for remote support.
- Keep separate servers for terminal server and web server.



### **Dedicated Server (125 users or more)**

. Please contact your company Visual 2000 Representative.

**PDM:** Add 4GB or more memory and 100MB for each additional user.

**SFA:** Add 4GB or more memory and 75MB for each additional user.

**VIBE:** Add 2GB or more memory and 100MB for each additional user.

Above configuration is a base and the configuration should be changed according to actual customers' needs and business growth forecast.

### **Requirements**

V3: no other requirements.

V5: CODESOFT 9 Enterprise RFID for single license (sold as is, installation charge applicable), or for network license, 3 or more users (includes installation)

SQL 2008 server Standard - Installation charge applicable