

DYNAMICS GP SYSTEM REQUIREMENTS

Client requirements

Component	Requirement
Operating system	One of the following: <ul style="list-style-type: none"> ● Microsoft Windows XP Professional Service Pack (SP) 2 ● Microsoft Windows XP Tablet PC Edition¹ ● Microsoft Windows 2000 Professional SP 4
Processor	Pentium III 1.2 gigahertz (GHz) or equivalent
Disk space	600 megabytes (MB) or more on the system root
RAM	256 MB (512 recommended)
Network card	100Base-T or 1000Base-T Ethernet

¹The Microsoft Windows XP Tablet PC Edition is only supported on a client connected to the local area network (LAN). The wireless components of Microsoft Windows XP Tablet PC Edition are not supported or recommended.

Server recommendations

Review the following customer profiles to determine which profile best fits the user count, number of modules, and transaction volume for your environment.

Customer profile 1

This profile applies if you:

- Use only Financial Series module
- Have between 0-15 concurrent users for Microsoft SQL Server or 0-10 concurrent users for MSDE 2000
- Use Report Writer in Visual FoxPro 80, Crystal Reports, or FRX
- Process fewer than 500 transactions a day
- Import very little data
- Have a dedicated server with Microsoft SQL Server only
- Recommend a dedicated server with MSDE 2000 only

Component	Requirement
Database requirements	<ul style="list-style-type: none"> ● Microsoft SQL Server 2000 Standard Edition Service Pack (SP) 4 ● Microsoft SQL Server 2000 Workgroup Edition SP 4 ● MSDE 2000 SP 4¹
Operating System	One of the following:

Component	Requirement
	<ul style="list-style-type: none"> • Microsoft Windows 2000 Server Service Pack (SP) 4 • Microsoft Windows Server 2003 Standard Edition SP 1 • Microsoft Windows 2000 Small Business Server SP 4 • Microsoft Windows Small Business Server 2003 Premium Edition SP 1 • Microsoft Windows Small Business Server 2003 Standard Edition SP 1 (MSDE only)
Processors ²	Dual Pentium IV 2.4 GHz (or equivalent)
Disk configuration	<p>Minimum for Microsoft SQL Server only: RAID 5 for operating system, applications, and SQL database log and data files</p> <p>More available disks will improve Microsoft SQL Server performance</p> <p>Recommend using a dual-channel fast and wide SCSI-2 controller</p> <p>Recommended for Microsoft SQL Server only: RAID 1 for operating system and applications RAID 5 for SQL database log and data files</p> <p>RAID configurations are not required for an MSDE 2000 installation; however, it can be implemented</p>
RAM	1 gigabyte (GB) or greater
Network card	32-bit, 10/100 megabyte (MB) Ethernet Full Duplex

¹MSDE 2000 can be installed on a non-server operating system; however, it is recommended to install on a server operating system. The only non-server operating systems supported are Microsoft Windows XP Professional SP 2 and Microsoft Windows 2000 Professional SP 4. (See [#5](#) in the Notes section.)

²Make sure processors can be upgraded.

Customer profile 2

This profile applies if you:

- Use Financial Series modules
- Use Distribution Series modules moderately
- Use Field Service Series modules
- Use Manufacturing Series modules moderately
- Have 10–30 concurrent users
- Use Terminal Server
- Use Report Writer, Crystal Reports, or FRX
- Perform some online analytical processing (OLAP) cube generation
- Use an import routine/eConnect/Integration Manager
- Process 500–2,000 transactions a day (originating in Sales (SOP and/or RM), Payables or General Ledger)

- Have a dedicated server with Microsoft SQL Server only

Component	Requirement
Database requirements	<ul style="list-style-type: none"> • Microsoft SQL Server 2000 Enterprise Edition SP 4 • Microsoft SQL Server 2000 Standard Edition SP 4 • Microsoft SQL Server 2000 Workgroup Edition SP 4 • Microsoft SQL Server 2000 (64-bit) SP 4
Operating System	One of the following: <ul style="list-style-type: none"> • Microsoft Windows 2000 Server Service Pack (SP) 4 • Microsoft Windows 2000 Advanced Server SP 4 • Microsoft Windows Server 2003 Standard Edition SP 1 • Microsoft Windows Server 2003 Enterprise Edition SP 1
Processors ¹	Dual Xeon 2.4 gigahertz (GHz) or equivalent
Disk configuration ²	RAID 1 for operating system and applications (2 disks) RAID 1 for SQL database log files (2 disks) RAID 5 (4 disk minimum) or RAID 10 (8 disk minimum) for SQL data files RAID 1 for TempDB (2 disks)—optional, but recommended RAID 0 for SQL Server backups (full and log) (2 disks)
RAM ³	2 GB or more
Network card ⁴	Dual 100-bit 10/100 MB Ethernet or Fiber PCI NIC

¹Processors must be able to upgrade to Quad processors.

²Having more disks available will improve Microsoft SQL Server performance. To attain 2,000 transactions a day, you might need to increase the number of disks in your RAID 5 disk volume. Recommend separate disks for database backups and transaction log dumps. Recommend use of Ultra SCSI 3 or Fiber Controller.

³If more than 2 gigabytes (GB) of RAM is available, enable the 3 GB or the PAE switch in the boot.ini file if any of the following have been installed: Windows 2000 Advanced Server, Windows Server 2003 Standard Edition or Windows Server 2003 Enterprise Edition and SQL Server Enterprise Edition. Refer to Article [Q283037](#) for more information. Be sure to expand to 4 GB if necessary.

⁴Ensure switch is capable of handling network traffic.

Customer profile 3

This profile applies if you:

- Use Financials Series and Distribution Series modules extensively
- Use Field Service Series and Manufacturing Series modules extensively
- Have 25 or more concurrent users
- Use Terminal Server running Citrix MetaFrame

- Use Report Writer, Crystal Reports or FRx extensively
- Use an import routine extensively—such as eConnect
- Process 2,000-5,000 transactions a day (originating in Sales (SOP and/or RM), Payables or General Ledger)
- Perform OLAP cube generation to a different machine
- Have a dedicated server with Microsoft SQL Server only

Component	Requirement
Database requirements	<ul style="list-style-type: none"> ● Microsoft SQL Server 2000 Enterprise Edition SP 4 ● Microsoft SQL Server 2000 (64-bit) SP 4
Operating System	One of the following: <ul style="list-style-type: none"> ● Microsoft Windows 2000 Advanced Server Service Pack (SP) 4 ● Microsoft Windows Server 2003 Standard Edition SP 1 ● Microsoft Windows Server 2003 Enterprise Edition SP 1
Processors ¹	Quad Xeon 2.4 gigahertz (GHz) or equivalent
Disk configuration ²	RAID 1 for operating system and applications (2 disks) RAID 1 for SQL database log files (4 disks) RAID 1 for TempDB (4 disks) RAID 0 for SQL backups (full and log) (2 disks) RAID 10 for data files (8 disks or more)
RAM ³	4 GB or more
Network card ⁴	Single 1000Base-T Ethernet or Fiber PCI NIC

¹Processors must be able to be upgraded to 8 GB processors or higher.

²Having more disks available will improve Microsoft SQL Server performance. To attain 5,000 transactions a day, you might need to increase the number of disks in your RAID 5 or RAID 10 disk volume. Recommend separate disks for database backups and transaction log dumps.

³Enable the 3 gigabytes (GB) or the PAE switch in the boot.ini if any of the following have been installed: Windows 2000 Advanced Server, Windows Server 2003 Standard Edition or Windows Server 2003 Enterprise Edition and SQL Server Enterprise Edition. (See Article [Q283037](#)). Be sure to expand to 8 GB if necessary.

⁴Ensure switch is capable of handling network traffic.

[↶Top of page](#)

Terminal server requirements

Microsoft recommends using a dedicated Terminal Server/Citrix Server when running Microsoft Dynamics GP 9.0. There might be performance losses if Microsoft SQL Server is running on the Terminal Server/Citrix Server. To avoid performance losses, it is highly recommended to have two separate servers: one server with Terminal Server and/or Citrix, and one server with Microsoft SQL Server.

Component	Requirement
Database requirements	Required:

Component	Requirement
	<ul style="list-style-type: none"> ● Microsoft SQL Server 2000 Enterprise Edition SP 4 ● Microsoft SQL Server 2000 Standard Edition SP 4 ● Microsoft SQL Server 2000 Workgroup Edition SP 4 ● Microsoft SQL Server 2000 (64-bit) SP 4 ● MSDE 2000 SP 4 <p>Recommended¹:</p> <ul style="list-style-type: none"> ● Citrix MetaFrame XP SP 2 ● Citrix Presentation Server 3.0
Operating System	<p>One of the following:</p> <ul style="list-style-type: none"> ● Microsoft Windows 2000 Server Service Pack (SP) 4 ● Microsoft Windows 2000 Advanced Server SP 4, Microsoft Windows Server 2003 Standard Edition SP 1 ● Microsoft Windows Server 2003 Enterprise Edition SP 1
Processors ²	Dual Pentium IV 2.4 gigahertz (GHz) or equivalent
Disk configuration	RAID 1 for operating system and applications (2 disks)
RAM ³	1 GB or more
Network card ⁴	Single/Dual 100Base-T or 1000Base-T Ethernet or Single Fiber PCI NIC
Users ⁵	Based on 15-20 users for each Terminal Server

¹Recommendation is based on 15-20 users for each Terminal Server.

²Processors must be able to be upgraded to 8-gigabyte (GB) processors or higher.

³The amount of RAM needed depends on the number of concurrent users per Terminal Server.

⁴Recommend no more than 25 users per 100Base-T network card, unless a Fiber NIC is installed. If a Fiber NIC is installed, the SQL Server should also have a Fiber NIC installed for optimal network performance. Ensure switch is capable of handling network traffic.

⁵Increased user count might require greater RAM and processor speed. Users of FRx or Crystal Reports via Terminal Services might require increased hardware to boost performance.

[Top of page](#)

Notes

1. This document represents configurations tested by Microsoft and supported by Technical Support. Use of technologies not specified in this document is not recommended and will not be supported. Testing is ongoing, and, as newer technologies become supported, they will be added to this document.
2. Microsoft Office 2000, Office XP and Office 2003 have been tested and are supported with Microsoft Dynamics GP 9.0.

Microsoft Dynamics GP client application install is not compiled for a 64-bit operating system; therefore, the application install is not supported on any Windows 64-bit operating system, nor on the Windows 2003 x64 or Windows XP operating systems.

3. The Microsoft SQL Server databases can be housed on a 64-bit operating system.
4. Intel Pentium processors are used in platform testing; however, the compatibility is based on the speed of the processor, not on the type of processor.
5. If running MSDE 2000 on Windows XP with SP 2, or on Microsoft SQL Server on Windows Server 2003 with SP 1, refer to the following knowledge-base article: <http://support.microsoft.com/default.aspx?scid=kb;en-us;842242&Product=winxp>. You might need to enable port 1433 for Transmission Control Protocol/Internet Protocol (TCP/IP) in the Windows firewall to ensure the incoming Open Database Connectivity (ODBC) requests will be accepted.