

# System Requirements for Microsoft Dynamics GP 9.0

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This document describes client system requirements, server recommendations and Terminal Server system requirements for Microsoft Dynamics GP 9.0.

## Overview:

This document contains the minimum client hardware requirements, server recommendations and Terminal Server minimum hardware requirements supported by Microsoft Business Solutions. The following are for the client/server installations of Microsoft Dynamics GP 9.0 Professional/Standard on Microsoft SQL Server or MSDE 2000. The requirements and recommendations are based on experience with many different installations. Users may need to increase these requirements due to environmental factors to achieve individual performance expectations.

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## Client Requirements:

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows Vista Business Edition-32-bit and x64 (Refer to KB <a href="#">929908</a> for pre-requisites) Microsoft Windows Vista Ultimate Edition-32-bit and x64 (Refer to KB <a href="#">929908</a> for pre-requisites) Microsoft Windows Vista Enterprise Edition-32-bit and x64 (Refer to KB <a href="#">929908</a> for pre-requisites) Microsoft Windows XP x64 (Refer to KB <a href="#">918983</a> for pre-requisites) Microsoft Windows XP Professional SP 2 Microsoft Windows XP Tablet PC Edition Microsoft Windows 2000 Professional SP 4	The Microsoft Windows XP Tablet PC Edition is only supported on a client connected to the Local Area Network. The wireless components of Microsoft Windows XP Tablet PC Edition are not supported or recommended.
<b>Processor</b>	Pentium III 1.2 GHz (or equivalent)	
<b>Available Hard Disk Space</b>	600 MB or more on the system root	
<b>Minimum Available RAM</b>	256 MB (512 Recommended)	
<b>Network Card</b>	100 Base T or 1000 Base T Ethernet	

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## Server Recommendations:

Review each Customer Profile below to determine what profile best fits the user count, modules used and transaction volume for your environment. Use that Customer Profile as a recommendation for your server hardware implementation.

### Customer Profile 1

Use the following guidelines if you:

- Use only Financial Series modules
- Have between 0-15 concurrent users for Microsoft SQL Server or 0-10 concurrent users for MSDE 2000
- Use Report Writer, Crystal Reports or FRx
- Process fewer than 500 transactions per day
- Import very little data
- Dedicated server with Microsoft SQL Server only
- Recommend a dedicated server with MSDE 2000/Express only

### Database Requirements

- Microsoft SQL Server 2000 Standard Edition SP 4
- Microsoft SQL Server 2000 Workgroup Edition SP 4
- MSDE 2000 SP 4
- Microsoft SQL Server 2005 Standard Edition 32-bit
- Microsoft SQL Server 2005 Workgroup Edition
- Microsoft SQL Server 2005 Express Edition
- Microsoft SQL Server 2005 Standard Edition 32-bit SP 1 or 2
- Microsoft SQL Server 2005 Workgroup Edition SP 1 or 2
- Microsoft SQL Server 2005 Express Edition SP 1 or 2

Item	Requirements	Notes
Operating System	Microsoft Windows 2000 Server SP 4	MSDE 2000 and SQL 2005 Express 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. <b>Refer to # 10 in the Additional Notes section below.</b>
	Microsoft Windows Server 2003 Standard Edition SP 1 or SP 2	
	Microsoft Windows Server 2003 R2 Standard Edition	
	Microsoft Windows 2000 Small Business Server SP 4	
	Microsoft Windows Small Business Server 2003 Premium Edition SP 1 or SP 2,	
	Microsoft Windows Small Business Server 2003 R2 Premium Edition	
	Microsoft Windows Small Business Server 2003 Standard Edition SP 1 or SP 2 <b>(MSDE ONLY)</b>	
	Microsoft Windows Small Business Server 2003 R2	

	Standard Edition ( <b>MSDE ONLY</b> ) Microsoft Windows Server 2003 x64 (Refer to KB <a href="#">918983</a> for pre-requisites)	
<b>Processors</b>	Dual Pentium IV 2.4 GHz (or equivalent)	Make sure processors can be upgraded
<b>Disk Configuration</b>	<b>Minimum:</b> RAID 5 for operating system, applications and SQL database log and data files	Having more disks available will improve Microsoft SQL Server performance  Recommend using a dual-channel fast and wide SCSI-2 controller.
<b>Microsoft SQL Server only</b>	<b>Recommended:</b> RAID 1 for operating system and applications RAID 5 for SQL database log and data files	RAID configurations are not required for an MSDE 2000/Express installation, however it can be implemented.
<b>RAM</b>	1GB or greater	
<b>Network Card</b>	32-bit, 10/100 MB Ethernet Full Duplex	

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## Customer Profile 2

Use these guidelines if you:

- Use Financials Series modules
- Use Distribution Series modules moderately
- Use Field Service Series modules
- Use Manufacturing Series modules moderately
- Have between 10 and 30 concurrent users
- Use Terminal Server
- Use Report Writer, Crystal Reports or FRx
- Perform some online analytical processing (OLAP) cube generation
- Using an import routine/Integration Manager
- Process between 500 and 2000 transactions per day
- Originating in Sales (SOP and/or RM), Payables or General Ledger
- Dedicated server with Microsoft SQL Server only

## Database Requirements

- 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
- Microsoft SQL Server 2005 Enterprise Edition 32-bit and 64-bit
- Microsoft SQL Server 2005 Standard Edition 32-bit and 64-bit
- Microsoft SQL Server 2005 Workgroup Edition
- Microsoft SQL Server 2005 Enterprise Edition 32-bit SP 1 and 64-bit SP 1 or 2
- Microsoft SQL Server 2005 Standard Edition 32-bit SP 1 and 64-bit SP 1 or 2
- Microsoft SQL Server 2005 Workgroup Edition SP 1 or 2

Item	Requirements	Notes
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<b>Operating System</b>	Microsoft Windows 2000 Server SP 4 Microsoft Windows 2000 Advanced Server SP 4 Microsoft Windows Server 2003 Standard Edition SP 1 or SP 2 Microsoft Windows Server 2003 Enterprise Edition SP 1 or SP 2 Microsoft Windows Server 2003 R2 Standard Edition Microsoft Windows Server 2003 R2 Enterprise Edition Microsoft Windows Server 2003 x64 (Refer to KB <a href="#">918983</a> for pre-requisites)	
<b>Processors</b>	Dual Xeon 2.4 GHz (or equivalent)	Make sure processors can upgrade to Quad processors
<b>Disk Configuration</b>	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 backups (full and log) (2 disks)	Having more disks available will improve Microsoft SQL Server performance  To attain 2000 transactions a day, you may 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
<b>RAM</b>	2 GB or more	If more than 2 GB of RAM is available, enable the 3GB and/or PAE switch in the boot.ini if Windows 2000 Advanced Server, Windows Server 2003 Standard Edition or Windows Server 2003 Enterprise Edition and SQL Server Enterprise Edition are installed. Refer to Article <a href="#">Q283037</a> for more information. Be sure to expand to 4GB if necessary.
<b>Network Card</b>	Dual 100-bit 10/100 MB Ethernet or Fiber PCI NIC	Ensure switch is capable of handling network traffic

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### Customer Profile 3

Use these guidelines 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/Metaframe
- Use Report Writer, Crystal Reports or FRx extensively
- Use an import routine extensively

- Process 2000/5000 transactions per day
- Originating in Sales (SOP and/or RM), Payables or General Ledger
- Perform online analytical processing (OLAP) cube generation (to different machine)
- Dedicated server with Microsoft SQL Server only

### Database Requirements

Microsoft SQL Server 2000 Enterprise Edition SP 4

Microsoft SQL Server 2000 (64-bit) SP 4

Microsoft SQL Server 2005 Enterprise Edition 32-bit and 64-bit

Microsoft SQL Server 2005 Enterprise Edition 32-bit SP 1 or 2 and 64-bit SP 1 or 2

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows 2000 Advanced Server SP 4 Microsoft Windows Server 2003 Standard Edition SP 1 or SP 2 Microsoft Windows Server 2003 Enterprise Edition SP 1 or SP 2 Microsoft Windows Server 2003 R2 Enterprise Edition Microsoft Windows Server 2003 x64 (Refer to KB <a href="#">918983</a> for pre-requisites)	
<b>Processors</b>	Quad Xeon 2.4 GHz (or equivalent)	Make sure processors can be upgraded to 8 processors or higher
<b>Disk Configuration</b>	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)	Having more disks available will improve Microsoft SQL Server performance  To attain 5000 transactions a day, you may 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  Recommend use of Ultra SCSI 3 or Fiber Controller
<b>RAM</b>	4 GB or more	Enable the 3GB and/or PAE switch in the boot.ini if Windows 2000 Advanced Server, Windows Server 2003 Standard Edition or Windows Server 2003 Enterprise Edition and SQL Server Enterprise Edition are installed. Refer to Article <a href="#">Q283037</a> for more information. Be sure expand to 8G if necessary.
<b>Network Card</b>	Single 1000 Base T Ethernet or Fiber PCI NIC	Ensure switch is capable of handling network traffic

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### Terminal Server Requirements

It is recommended to have a dedicated Terminal Server/Citrix Server. There may be performance losses if Microsoft SQL Server is running on the Terminal Server/Citrix Server. Therefore, it is highly recommended to have two separate servers. One server with Terminal Server and/or Citrix and one server with Microsoft SQL Server.

### Database Requirements

- 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
- Microsoft SQL Server 2005 Enterprise Edition 32-bit and 64-bit
- Microsoft SQL Server 2005 Standard Edition 32-bit and 64-bit
- Microsoft SQL Server 2005 Workgroup Edition
- Microsoft SQL Server 2005 Express Edition

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows 2000 Server SP 4 Microsoft Windows 2000 Advanced Server SP 4 Microsoft Windows Server 2003 Standard Edition SP 1 or SP 2 Microsoft Windows Server 2003 Enterprise Edition SP 1 or SP 2 Microsoft Windows Server 2003 R2 Standard Edition, Microsoft Windows Server 2003 R2 Enterprise Edition Microsoft Windows Server 2003 x64 (Refer to KB <a href="#">918983</a> for pre-requisites)	
<b>Citrix (Optional)</b>	Citrix Metaframe XP SP 2, Citrix Presentation Server 3.0, Citrix Presentation Server 4.0	If accessing Citrix, the hardware and software must be supported according to the Citrix configuration requirements.
<b>Processors</b>	Dual Pentium IV 2.4 GHz (or equivalent)	Make sure processors can be upgraded to 8 processors or higher
<b>Disk Configuration</b>	RAID 1 for operating system and applications (2 disks)	
<b>RAM</b>	1 GB or more	The amount of RAM needed depends on the number of concurrent users per Terminal Server.
<b>Network Card</b>	Single/Dual 100 Base T or 1000 Base T Ethernet or Single Fiber PCI NIC	Recommend no more than 25 users per 100 Base 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
<b>Users</b>	Based on 15-20 users per Terminal Server	Increased user count may require greater RAM and Processor speed  Users utilizing FRx or Crystal reporting via Terminal Services may require increased hardware to boost performance.

### Additional Notes:

1. This document represents configurations tested by Microsoft Business Solutions 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. Office 2000, Office XP, Office 2003 and Office 2007 have been tested and are supported with Microsoft Dynamics GP 9.0. Microsoft Office Outlook is required for the Outlook area to display on the home page which is enabled by default. For home page metrics to be displayed on your home page, you must have Office Web Components installed on your local machine. The Office XP Web Components need to be installed if you are using Office 2000 and the Office 2003 Web Components need to be installed if you are using Office 2007. You can find the downloads below:

### **Microsoft Office 2003 and Office 2007**

<http://www.microsoft.com/downloads/details.aspx?familyid=7287252C-402E-4F72-97A5-E0FD290D4B76&displaylang=en>

### **Microsoft Office XP and Office 2000**

<http://www.microsoft.com/downloads/details.aspx?FamilyID=982b0359-0a86-4fb2-a7ee-5f3a499515dd&displaylang=en>

3. Adobe 8.0, Adobe 7.0 and Adobe 6.0 have been tested and are supported with Microsoft Dynamics GP 9.0.
4. Internet Explorer 6.0 and Internet Explorer 7.0 have been tested and are supported with Microsoft Dynamics GP 9.0.
5. Microsoft Dynamics GP is supported on a 64-bit operating system, however, please refer to KB [918983](#) for pre-requisites for installing the Microsoft Dynamics GP client application on a 64-bit machine. Analysis Cubes for Excel and eConnect is not compatible with 64-bit.
6. Microsoft Dynamics GP is supported on a Windows Vista 32-bit and x64 operating system, however, please refer to KB [929908](#) for pre-requisites for installing the Microsoft Dynamics GP client application on a Windows Vista machine.
7. Microsoft Dynamics GP has not been tested with VMWare, Virtual Server or any virtual machine technology; therefore, Microsoft Dynamics GP is not supported in any virtual machine environment.
8. Microsoft Dynamics GP must be installed in a domain environment. If a domain does not exist, products such as Business Portal and Microsoft Analysis Cubes for Excel may not function properly.
9. Click [HERE](#) to refer to a Knowledge Base article regarding Microsoft Analysis Cubes for Excel and Microsoft SQL Server 2005.
10. Intel Pentium processors are used in platform testing, however, the compatibility is based on the speed of the processor not the type of processor.
11. If running MSDE 2000 on Windows XP that has Service Pack 2 or SQL Server on Windows Server 2003 Service Pack 1, refer to the following KB article. You may need to enable port 1433 for TCP/IP in the Windows Firewall to ensure the incoming ODBC requests are accepted.

<http://support.microsoft.com/default.aspx?scid=kb;en-us;842242&Product=winxp>

12. Click [HERE](#) to review the System Requirements for the Microsoft Dynamics GP 9.0 Developer Toolkit.

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