

# System Requirements for Microsoft® Dynamics GP 10.0

Last Modified 7/4/2007  
Posted 6/19/2007

This document contains the minimum client hardware requirements, server recommendations and Terminal Server minimum hardware requirements supported by Microsoft Business Solutions. The following server recommendations are not minimum server requirements. 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 only) Microsoft Windows Vista Ultimate Edition (32-bit only) Microsoft Windows Vista Enterprise Edition (32-bit only) Microsoft Windows XP Professional SP 2 (32-bit only)	32-bit operating systems supported only. 64-bit operating systems not supported.
<b>Processors</b>	Intel Pentium IV 2.4 GHz or	

<b>r</b>	higher	
<b>Available Hard Disk Space</b>	800 MB or more on the system root	
<b>Minimum Available RAM</b>	512 MB (1 GB Recommended)	
<b>Network Card</b>	100MB Full Duplex or 1GB Ethernet	
<b>Microsoft Office</b>	Microsoft Office XP Microsoft Office 2003 Microsoft Office 2007	<p>Microsoft Office Outlook is required for the Outlook area to display on the home page.</p> <p>The Microsoft Office Web Components are required for the home page metrics. The Microsoft Office 2003 Web Components must be installed if you are using Microsoft Office 2007. Use the links below to install the components:</p> <p><b>Microsoft Office XP</b>  <a href="http://www.microsoft.com/downloads/details.aspx?FamilyID=982b0359-0a86-4fb2-a7ee-5f3a499515dd&amp;displaylang=en">http://www.microsoft.com/downloads/details.aspx?FamilyID=982b0359-0a86-4fb2-a7ee-5f3a499515dd&amp;displaylang=en</a></p> <p><b>Microsoft Office 2003</b>  <a href="http://www.microsoft.com/downloads/details.aspx?familyid=7287252C-402E-4F72-97A5-E0FD290D4B76&amp;displaylang=en">http://www.microsoft.com/downloads/details.aspx?familyid=7287252C-402E-4F72-97A5-E0FD290D4B76&amp;displaylang=en</a></p>
<b>Internet Explorer</b>	Internet Explorer 6.0 SP 1 or later Internet Explorer 7.0	
<b>Adobe</b>	Adobe 6.0 Adobe 7.0 Adobe 8.0	

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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 0-20 concurrent users for Microsoft SQL Server or 0-10 concurrent users for MSDE 2000/Express

Use Report Writer, Crystal Reports or FRx

Process fewer than 1000 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 SP 4

- Standard Edition
- Workgroup Edition
- MSDE

Microsoft SQL Server 2005 SP 2

- Standard Edition 32-bit
- Workgroup Edition
- Express Edition

Item	Requirements	Notes	
<b>Operating System</b>	Microsoft Windows Server 2003 Standard Edition SP 2		
	Microsoft Windows Server 2003 R2 Standard Edition		
	Microsoft Windows Small Business Server 2003 Premium Edition SP 2	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.	
	Microsoft Windows Small Business Server 2003 R2 Premium Edition	The only non-server operating system supported for MSDE 2000 is Microsoft Windows XP Professional SP 2. The only non-server operating system supported for SQL 2005 Express is Microsoft Windows XP Professional SP 2 or Microsoft Windows Vista.	
	Microsoft Windows Small Business Server 2003 Standard Edition SP 2	<b>Refer to # 4 in the Additional Notes section below.</b>	
	<b>(MSDE/SQL 2005 Express ONLY)</b>		
	Microsoft Windows Small Business Server 2003 R2 Standard Edition		
	<b>(MSDE/SQL 2005 Express ONLY)</b>		
<b>Processors</b>	1 Dual Core or 2 Single Core Processors	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	Additional disks will improve Microsoft SQL Server performance
<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	Recommend using a dual-channel fast and wide SCSI-2 controller.
<b>RAM</b>	1 GB or more	
<b>Network Card</b>	100MB Full Duplex or 1GB Ethernet	

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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 or Project Series modules moderately
- Have between 20 and 60 concurrent users
- Use Terminal Server
- Use Report Writer, Crystal Reports or FRx
- Perform some online analytical processing (OLAP) cube generation
- Using an import routine/eConnect/Integration Manager
- Process between 1000 and 4000 transactions per day
- Originating in Sales (SOP and/or RM), Payables or General Ledger
- Dedicated Microsoft SQL Server

## Database Requirements

Microsoft SQL Server 2000 SP 4

- Enterprise Edition
- Standard Edition

Microsoft SQL Server 2005 SP 2

- Enterprise Edition 32-bit and 64-bit
- Standard Edition 32-bit and 64-bit

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows Server 2003 x64 Standard Edition or x64 Enterprise Edition Microsoft Windows Server 2003 R2 x64 Standard or R2 x64 Enterprise Edition Microsoft Windows Server 2003 64-bit Itanium-based Enterprise Edition SP 2 Microsoft Windows Server 2003 Standard Edition SP 2 or Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 Standard Edition or R2 Enterprise Edition	Microsoft Dynamics GP 10.0 client and server installations are not compiled for a 64-bit operating system and therefore are not supported on any Windows 64-bit operating system. This includes x64 Windows 2003, x64 Windows XP and x64 Windows Vista operating systems.  The Microsoft SQL Server databases can exist on a 64-bit operating system.
<b>Processors</b>	1 Dual Core or 2 Single Core Processors	Verify processors can be upgraded to 4 processors for Standard Edition or up to 8 processors for Enterprise Edition
<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)	Additional disks will improve Microsoft SQL Server performance  To process more than 4000 transactions a day, you may need to increase the number of disks in your RAID 5 disk volume  Recommend use of Ultra SCSI 3 or Fiber Controller

<b>RAM</b>	4 GB or more	If more than 2 GB of RAM is available, enable the 3GB and/or PAE switch in the boot.ini if using Windows Server 2003 Enterprise Edition. Refer to Article <a href="#">Q283037</a> for more information.
<b>Network Card</b>	100MB Full Duplex or 1GB Ethernet	Verify 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, Manufacturing Series, and Project Series modules extensively
- Have between 60 and 100 concurrent users
- Use Terminal Server
- Use Report Writer, Crystal Reports or FRx extensively
- Use an import routine extensively - eConnect
- Process more than 4000 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 Microsoft SQL Server

### Database Requirements

Microsoft SQL Server 2000 SP 4

- Enterprise Edition

Microsoft SQL Server 2005 SP 2

- Standard Edition 64-bit
- Enterprise Edition 32-bit and 64-bit

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows Server 2003 x64 Standard or Enterprise Edition	Microsoft Dynamics GP 10.0 client and server installations are not compiled for a 64-bit operating system and therefore are not supported on any Windows 64-bit operating system. This includes x64 Windows 2003, x64 Windows XP and x64 Windows Vista operating systems.
	Microsoft Windows Server 2003 R2 x64 Standard or Enterprise	The Microsoft SQL Server databases can exist on a 64-bit operating system.

	Edition Microsoft Windows Server 2003 64-bit Itanium-based Enterprise Edition SP 2 Microsoft Windows Server 2003 Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 Enterprise Edition	
<b>Processors</b>	2 Dual Core or 4 Single Core Processors	Verify processors can be upgraded to 8 processors
<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)	Additional disks will improve Microsoft SQL Server performance  To process more than 4000 transactions a day, you may need to increase the number of disks in your RAID 5 or RAID 10 disk volume  Recommend use of Ultra SCSI 3 or Fiber Controller
<b>RAM</b>	8 GB or more	Enable the 3GB and/or PAE switch in the boot.ini if using Windows Server 2003 Enterprise Edition. Refer to Article <a href="#">Q283037</a> for more information.
<b>Network Card</b>	1GB Ethernet	Verify 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.

Item	Requirements	Notes
<b>Operating System</b>	Microsoft Windows Server 2003 Standard Edition SP 2 or Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 Standard Edition or R2 Enterprise Edition	Microsoft Dynamics GP 10.0 client and server installations are not compiled for a 64-bit operating system and therefore

		<p>the not supported on any Windows 64-bit operating system. This includes x64 Windows 2003, x64 Windows XP and x64 Windows Vista operating systems.</p> <p>The Microsoft SQL Server databases can exist on a 64-bit operating system.</p>
<b>Citrix (Optional)</b>	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>	1 Dual Core or 2 Single Core Processors	Make sure processors can be upgraded to 4 processors for Standard Edition or 8 processors for Enterprise Edition
<b>Disk Configuration</b>	RAID 1 for operating system and applications (2 disks)	
<b>RAM</b>	2 GB or more	The amount of RAM needed depends on the number of concurrent users per Terminal Server.
<b>Network Card</b>	100MB Full Duplex or 1GB Ethernet	<p>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.</p> <p>Verify switch is capable of handling network traffic</p>
<b>Users</b>	Based on 15-20 users per Terminal Server	<p>Increased user count may require greater RAM and Processor speed</p> <p>Users utilizing FRx or Crystal reporting via Terminal Services may require increased hardware to increase performance.</p>

### 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 this list will be updated.

2. If you will be using the workflow features of Microsoft Dynamics GP 10.0, refer to the Microsoft Business Portal System Requirements page for Microsoft Office SharePoint Portal Server recommendations.

3. If running MSDE 2000 or Microsoft SQL 2005 Express on Windows XP that has Service Pack 2 or Microsoft 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>

4. The following Microsoft Dynamics GP 10.0 installations are not compiled for a 64-bit operating system and therefore are not supported on any Windows 64-bit operating system. This includes x64 Windows 2003, x64 Windows XP and x64 Windows Vista, and 64-bit Itanium operating systems.

- a. Microsoft Dynamics GP 10.0 client or server application install.
- b. Workflow for Microsoft Dynamics GP 10.0
- c. Web services for Microsoft Dynamics GP 10.0
- d. Business Portal for Microsoft Dynamics GP 10.0
- e. eConnect for Microsoft Dynamics GP 10.0
- f. All FRx 6.7 products, Forecaster 6.7 and 7.0.

The Microsoft SQL Server databases can exist on a 64-bit operating system. However, the field service e-mail feature will not work.