

# System Requirements for Microsoft® Dynamics GP 10.0

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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 and 64-bit) Microsoft Windows Vista Ultimate Edition (32-bit and 64-bit) Microsoft Windows Vista Enterprise Edition (32-bit 64-bit) Microsoft Windows XP Professional SP 2 (32-bit and 64-bit)	<b>Refer to 64-bit Support Matrix under note #5 below to verify all products used are compatible.</b>
<b>Processor</b>	Intel Pentium IV 2.4 GHz or 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 x64 Standard Edition SP 2	<p><b>Refer to 64-bit Support Matrix under note #5 below to verify all products used are compatible.</b></p> <p>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 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.</p> <p><b>Refer to # 3 in the Additional Notes section below.</b></p>
	Microsoft Windows Server 2003 R2 x64 Standard Edition SP 2	
	Microsoft Windows Server 2003 Standard Edition SP 2	
	Microsoft Windows Server 2003 R2 Standard Edition SP 2	
	Microsoft Windows Small Business Server 2003 Premium Edition SP 2	
	Microsoft Windows Small Business Server 2003 R2 Premium Edition SP 2	
<b>Processors</b>	Microsoft Windows Small Business Server 2003 Standard Edition SP 2 <b>(MSDE/SQL 2005 Express ONLY)</b>	
	Microsoft Windows Small Business Server 2003 R2 Standard Edition SP 2 <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>	<p>Microsoft Windows Server 2003 x64 Standard Edition SP 2 or x64 Enterprise Edition SP 2</p> <p>Microsoft Windows Server 2003 R2 x64 Standard SP 2 or R2 x64 Enterprise Edition SP 2</p> <p>Microsoft Windows Server 2003 Standard Edition SP 2 or Enterprise Edition SP 2</p> <p>Microsoft Windows Server 2003 R2 Standard Edition SP 2 or R2 Enterprise Edition SP 2</p>	<p><b>Refer to 64-bit Support Matrix under note #5 below to verify all products used are compatible.</b></p>
<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>	<p>RAID 1 for operating system and applications (2 disks)</p> <p>RAID 1 for SQL database log files (2 disks)</p> <p>RAID 5 (4 disk minimum) or RAID 10 (8 disk minimum) for SQL data files</p> <p>RAID 1 for TempDB (2 disks) - optional, but recommended</p> <p>RAID 0 for SQL backups (full and log) (2 disks)</p>	<p>Additional disks will improve Microsoft SQL Server performance</p> <p>To process more than 4000 transactions a day, you may need to increase the number of disks in your RAID 5 disk volume</p> <p>Recommend use of Ultra SCSI 3 or Fiber Controller</p>
<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 SP 2 or x64 Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 x64 Standard SP 2 or R2 x64 Enterprise Edition SP 2 Microsoft Windows Server 2003 Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 Enterprise Edition SP 2	<b>Refer to 64-bit Support Matrix under note #5 below to verify all products used are compatible.</b>
<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	Additional disks will improve Microsoft SQL Server performance

	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)	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 x64 Standard SP 2 or x64 Enterprise Edition SP 2 Microsoft Windows Server 2003 R2 x64 Standard SP 2 or R2 x64 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	<b>Refer to 64-bit Support Matrix under note #5 below to verify all products used are compatible.</b>
<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	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.  Verify 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 increase 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 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. Click [HERE](#) to view a KnowledgeBase article regarding support in a virtual environment.

5. Review the 64-bit Support Matrix below to verify the features and/or products you want to use are supported with a 64-bit operating system.

**NOTE:** The Field Service e-mail feature will not work on a 64-bit server.

10.0 Product	Current Compatibility Status	Notes
Microsoft Dynamics GP Client or Server Installation	Supported on any x64 Operating System	

<b>Business Portal for Microsoft Dynamics GP 10.0 - Internet Information Services Server</b>	Not Supported on any x64 Operating System	Not compatible until the next release of Microsoft Dynamics GP
<b>Business Portal for Microsoft Dynamics GP 10.0 - Client accessing Business Portal</b>	<b>Supported on any x64 Operating System</b>	Internet Information Services Server must be on a 32-bit server
<b>Analysis Cubes for SQL 2005 (Client and Server)</b>	<b>Supported on any x64 Operating System</b>	<b>Refer to Knowledge Base Article <a href="#">929156</a> for additional information</b>
<b>Analysis Cubes for SQL 2000 (Client and Server)</b>	Not Supported on any x64 Operating System	No plans for compatibility
<b>eConnect Runtime (Including the Software Development Kit)</b>	<b>Supported on any x64 Operating System</b>	
<b>Human Resources and Payroll Suite</b>	<b>Supported on any x64 Operating System</b>	
<b>Integration Manager</b>	<b>Supported on any x64 Operating System</b>	
<b>Microsoft Office SharePoint Sever Wizard</b>	Not Supported on any x64 Operating System	Not compatible until the next release of Microsoft Dynamics GP
<b>Personal Data Keeper SQL Server</b>	Not Supported on any x64 Operating System	Not compatible until the next release of Microsoft Dynamics GP
<b>Reporting Services Wizard</b>	Not Supported on any x64 Operating System	Not compatible until the next release of Microsoft Dynamics GP
<b>Web Services Runtime (Including the Software Development Kit, Management Tools)</b>	Not Supported on any x64 Operating System	Testing scheduled for Calendar Year Q4

<b>Workflow</b>	Not Supported on any x64 Operating System	Not compatible until the next release of Microsoft Dynamics GP
<b>Microsoft FRx Reporter 6.7</b>	Not Supported on any x64 Operating System	No plans for compatibility SYSDATA can be on a 64-bit server
<b>Microsoft FRx Forecaster 6.7</b>	Not Supported on any x64 Operating System	No plans for compatibility
<b>Microsoft FRx Forecaster 7.0</b>	Not Supported on any x64 Operating System	Under investigation for compatibility
<b>Microsoft FRx Web Port 6.7</b>	Not Supported on any x64 Operating System	No plans for compatibility
<b>Enterprise Reporting</b>	Not Supported on any x64 Operating System	No plans for compatibility
<b>Visual Studio Tools for Microsoft Dynamics GP 10.0 Software Development Kit</b>	<b>Supported on any x64 Operating System</b>	
<b>Microsoft Dynamics GP 10.0 Dexterity Development Tools</b>	Not Supported on any x64 Operating System	Testing scheduled for Calendar Year Q4
<b>Microsoft Dynamics GP 10.0 Software Development Kit</b>	<b>Supported on any x64 Operating System</b>	

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