

## System requirements for Microsoft Dynamics GP 10.0 Web applications

Microsoft supports the following Web server recommendations and client workstation requirements for Microsoft Dynamics GP 10.0 Web applications, including:

- Business Portal for Microsoft Dynamics GP 10.0 with Microsoft Windows SharePoint Services or Microsoft Office SharePoint Server 2007
- Web Services for Microsoft Dynamics GP 10.0
- Microsoft SQL Server Reporting Services when used with Microsoft Dynamics GP 10.0

The specific hardware that you will need for your configurations depends on several factors in your computing environment. To achieve individual performance expectations, you may need to increase the following recommendations. To find out about requirements other than those for Web applications only, refer to the [System requirements for Microsoft Dynamics GP 10.0](#).

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### Dedicated Web server recommendations

Review the customer profiles below and determine which one most accurately describes your environment based on user count and the components that you're using. Then use that profile as a recommendation for your Web server hardware implementation.

The following table provides an overview of the recommended number of servers for each customer profile. The table also recommends which Web applications should be installed on each server.

Web application <sup>1</sup>	Customer profile 1	Customer profile 2 <sup>2</sup>	Customer profile 3 <sup>3</sup>
<b>Business Portal for Microsoft Dynamics GP 10.0<sup>4</sup></b>	Server 1	Server 1	Server 1
<b>Windows SharePoint Services 3.0 or Office SharePoint Server 2007 (Enterprise Edition 32-bit only)</b>	Server 1	Server 1	Server 1
<b>Workflow for Microsoft Dynamics GP 10.0<sup>5</sup></b>	N/A	Server 1	Server 1
<b>Web Services for Microsoft Dynamics GP 10.0</b>	Server 1	Server 2	Server 2

Web application <sup>1</sup>	Customer profile 1	Customer profile 2 <sup>2</sup>	Customer profile 3 <sup>3</sup>
SQL Server Reporting Services when used with Microsoft Dynamics GP 10.0	Server 1	Server 2	Server 3

<sup>1</sup> All customer profiles require a dedicated SQL server in addition to the servers listed above.

<sup>2</sup> Servers can be load-balanced in customer profile 2.

<sup>3</sup> Servers can be load-balanced in customer profile 3.

<sup>4</sup> Business Portal running on Office SharePoint Server 2007 requires Web Services to be installed.

<sup>5</sup> Workflow requires Office SharePoint Server 2007 and Web Services to be installed.

### Customer profile 1

The following profile guidelines apply if you:

- Use **only one** of the following Business Portal applications:
  - Requisition Management
  - Human Resources Management Self Service Suite
  - Order Management
  - Project Time and Expense
- Process fewer than 500 transactions per day if using Requisition Management, Human Resources Management Self Service Suite, or Project Time and Expense
- Process fewer than 500 orders per day if using Order Management
- Use SQL Server Reporting Services
- Have 0-500 named users<sup>1</sup> who are using Business Portal and SQL Server Reporting Services
- Have one Web server

<sup>1</sup>A named user is a unique user who accesses Business Portal or SQL Server Reporting Services and performs a task on an average of once every four hours. Increased transaction volume per user will decrease the number of users a server can support.

Component	Requirements
Operating system <sup>1</sup>	Windows Server 2003 Web Edition <sup>2</sup> SP1, Enterprise Edition R2 or SP1, or Standard Edition R2 or SP1
Processor <sup>3</sup>	One dual-core or two single-core
RAM	2 gigabytes (GB)
Network card	100-megabyte (MB) Ethernet Full Duplex
Internet Information Services (IIS)	IIS 6.0
SharePoint Products and Technologies	Windows SharePoint Services 3.0 or Office SharePoint Server 2007 Enterprise Edition 32-bit
Microsoft Internet Explorer	Internet Explorer 7 or 6 SP1

Component	Requirements
Other applications	<ul style="list-style-type: none"> <li>● Microsoft .NET Framework 3.0 or 2.0</li> <li>● ASP.NET 2.0</li> <li>● Microsoft Data Access Components (MDAC) or SQL Native Client</li> <li>● Remote Desktop Web Connection (if using Terminal Services)</li> <li>● Adobe Reader (required to read or print manuals)</li> </ul>
Back office server	Refer to the <a href="#">System requirements for Microsoft Dynamics GP 10.0</a>

<sup>1</sup> The Web server computer name cannot contain an underscore (\_). The Web server must be a 32-bit operating system; 64-bit operating systems are not supported.

<sup>2</sup> Windows Server 2003 Web Edition is designed specifically for dedicated Web servers. A computer running Windows Server 2003 Web Edition can be a member of a domain, but it cannot be a domain controller. Also, you cannot install SQL Server on a computer running Windows Server 2003 Web Edition. For more information, refer to the Overview of Windows Server 2003 Web Edition on Microsoft TechNet.

<sup>3</sup> Hyper-threading must be enabled.

## Customer profile 2

The following profile guidelines apply if you:

- Use two of the following Business Portal applications:
  - Requisition Management
  - Human Resources Management Self Service Suite
  - Order Management
  - Project Time and Expense
- Process fewer than 1,500 transactions per day if using Requisition Management, Human Resources Management Self Service Suite, or Project Time and Expense
- Process fewer than 2,000 orders per day if using Order Management
- Use SQL Server Reporting Services
- Use Workflow
- Have 500-1,500 named users<sup>1</sup> who are using Business Portal, SQL Server Reporting Services, and Workflow
- Have two Web servers—the following requirements apply to each Web server

<sup>1</sup>A named user is a unique user who accesses Business Portal, SQL Server Reporting Services, or Workflow and performs a task on an average of once every four hours. Increased transaction volume per user will decrease the number of users a server can support.

Component	Requirements
Operating system <sup>1</sup>	Windows Server 2003 Enterprise Edition R2 or SP1, or Standard Edition R2 or SP1
Processor <sup>2</sup>	One dual-core or two single-core

Component	Requirements
RAM	2 GB or more
Network card	100-MB Ethernet Full Duplex or 1-GB Ethernet
Internet Information Services (IIS)	IIS 6.0
SharePoint Products and Technologies	Office SharePoint Server 2007 Enterprise Edition 32-bit
Internet Explorer	Internet Explorer 7 or 6 SP1
Other applications	<ul style="list-style-type: none"> <li>• .NET Framework 3.0 or 2.0</li> <li>• ASP.NET 2.0</li> <li>• Microsoft Data Access Components (MDAC) or SQL Native Client</li> <li>• Remote Desktop Web Connection (if using Terminal Services)</li> <li>• Adobe Reader (required to read or print manuals)</li> </ul>
Back office server	Refer to the <a href="#">System requirements for Microsoft Dynamics GP 10.0</a>

<sup>1</sup> The Web server computer name cannot contain an underscore (\_). The Web server must be a 32-bit operating system; 64-bit operating systems are not supported.

<sup>2</sup> Hyper-threading must be enabled.

### Customer profile 3

The following profile guidelines apply if you:

- Use all of the following Business Portal applications:
  - Requisition Management
  - Human Resources Management Self Service Suite
  - Order Management
  - Project Time and Expense
- Process more than 1,500 transactions per day in Requisition Management, Human Resources Management Self Service Suite, and Project Time and Expense
- Process more than 2,000 orders a day in Order Management
- Use SQL Server Reporting Services
- Use Workflow
- Have more than 1,500 named users<sup>1</sup> who are using Business Portal, SQL Server Reporting Services, and Workflow
- Have three Web servers—the following requirements apply to each Web server

<sup>1</sup>A named user is a unique user who accesses Business Portal, SQL Server Reporting Services, or Workflow and performs a task on an average of once every four hours. Increased transaction volume per user will decrease the number of users a server can support.

Operating system <sup>1</sup>	Windows Server 2003 Enterprise Edition R2 or SP1
Processor <sup>2</sup>	Dual Intel Xeon 5000 Series 2.0 GHz or higher
RAM	4 GB or more
Network card	1-GB Ethernet
Internet Information Services (IIS)	IIS 6.0
SharePoint Products and Technologies <sup>3</sup>	Office SharePoint Server 2007 Enterprise Edition 32-bit
Internet Explorer	Internet Explorer 7 or 6 SP1
Other applications	<ul style="list-style-type: none"> <li>• .NET Framework 3.0 or 2.0</li> <li>• ASP.NET 2.0</li> <li>• Microsoft Data Access Components (MDAC) or SQL Native Client</li> <li>• Remote Desktop Web Connection (if using Terminal Services)</li> <li>• Adobe Reader (required to read or print manuals)</li> </ul>
Back office server	Refer to the <a href="#">System requirements for Microsoft Dynamics GP 10.0</a>

<sup>1</sup> The Web server computer name cannot contain an underscore (\_). The Web server must be a 32-bit operating system; 64-bit operating systems are not supported.

<sup>2</sup> Two dual-core or four single-core

## Server requirements for Microsoft Dynamics GP and Business Portal on the same server

The following requirements apply if you have 0-250 named users for the Business Portal.

Component	Requirements
Operating system <sup>1</sup>	One of the following: <ul style="list-style-type: none"> <li>• Windows Server 2003 Enterprise Edition R2 or SP1, or Standard Edition R2 or SP1</li> <li>• Windows Small Business Server 2003 Premium Edition R2 or SP1</li> </ul>
Processor <sup>2</sup>	One dual-core or two single-core

Component	Requirements
Minimum available RAM	4 GB
Internet Information Services (IIS)	IIS 6.0
SharePoint Products and Technologies	Windows SharePoint Services 3.0 <sup>3</sup>
Internet Explorer	Internet Explorer 7 or 6 SP1
Microsoft SQL Server <sup>4</sup>	<ul style="list-style-type: none"> <li>• SQL Server 2005 SP2 Enterprise Edition or Standard Edition</li> <li>• SQL Server 2000 SP4 Enterprise Edition or Standard Edition</li> </ul>
Back office	Microsoft Dynamics GP 10.0
Microsoft Office	<ul style="list-style-type: none"> <li>• 2007 Microsoft Office system</li> <li>• Office 2003</li> <li>• Office XP</li> </ul>
Other applications	<ul style="list-style-type: none"> <li>• .NET Framework 3.0 or 2.0</li> <li>• ASP.NET 2.0</li> <li>• Microsoft Data Access Components (MDAC) or SQL Server Native Client</li> <li>• Remote Desktop Web Connection (if using Terminal Services)</li> <li>• Adobe Reader (required to read or print manuals)</li> </ul>

<sup>1</sup> The Web server computer name cannot contain an underscore (\_). The Web server must be a 32-bit operating system; 64-bit operating systems are not supported.

<sup>2</sup> Hyper-threading must be enabled.

<sup>3</sup> Office SharePoint Server 2007 is not supported if Microsoft Dynamics GP and Business Portal are running on the same server. If deploying Office SharePoint Server 2007, refer to the customer profiles above.

<sup>4</sup> MSDE or SQL Server 2005 Express editions are not supported with Business Portal. SQL Server must be installed with mixed-mode authentication. The SQL server where the SharePoint databases reside must use sort order 52 (dictionary order, case insensitive).

## Perimeter network requirements

If you are deploying Business Portal in an extranet environment, you must set up a perimeter network. Business Portal has been tested and documented using Microsoft Internet Security and Acceleration Server (ISA Server) to create a perimeter network. If your company's perimeter network does not use ISA Server, we recommend that you use hardware and software with similar

functionality. You also should set up the same communication rules and policies as recommended for ISA Server.

For more information about ISA Server, including a hardening guide, refer to the [ISA Server home page](#).

For information about recommended communication rules and policies to run Business Portal in an extranet environment, refer to the Business Portal Installation Guide. See [Installing and deploying Business Portal for Microsoft Dynamics GP 10.0](#) for more information.

## Client requirements

Component	Requirements
Operating system <sup>1</sup>	<ul style="list-style-type: none"><li>Windows Vista Business, Ultimate, or Enterprise (32-bit only)</li><li>Windows XP Professional SP2 (32-bit only)</li></ul>
Processor	Intel Pentium IV 2.4 GHz or higher
Minimum available RAM	512 MB (1 GB recommended)
Internet Explorer <sup>2</sup>	Internet Explorer 7 or 6 SP1
Microsoft Office	<ul style="list-style-type: none"><li>2007 Microsoft Office system</li><li>Office 2003</li><li>Office XP</li></ul>
Other application	Adobe Reader 8.0, 7.0, or 6.0 (required to read or print manuals)

<sup>1</sup> Only 32-bit operating systems are supported; 64-bit operating systems are not supported.

<sup>2</sup> Some Internet Explorer and workstation settings can affect Business Portal. For more information, refer to the Business Portal Installation Guide.

## Additional notes

- 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, this list will be updated.
- Business Portal must be installed in a domain environment.
- If you use antivirus software, consider its requirements when you calculate processor and RAM requirements.
- If you use the Small Business Server operating system, your Web server may be a domain controller and may host other server applications, such as Microsoft Exchange. Consider the requirements of all server applications when you calculate processor and RAM requirements.
- The following Microsoft Dynamics GP 10.0 installations are not compiled for 64-bit operating systems and therefore are not supported on any Windows 64-bit operating systems, including Windows 2003 x64, Windows XP x64, Windows Vista x64, and 64-bit Itanium operating

systems: Microsoft Dynamics GP 10.0 client or server application installations, Workflow for Microsoft Dynamics GP 10.0, Web Services for Microsoft Dynamics GP 10.0, Business Portal for Microsoft Dynamics GP 10.0, eConnect for Microsoft Dynamics GP 10.0, all FRx 6.7 products, and Forecaster 6.7 and 7.0.

6. Although the SQL Server databases can exist on 64-bit operating systems, the Field Service e-mail feature will not work.