



System Requirements

Overview

This document contains the minimum client hardware requirements, server recommendations and Terminal Server minimum hardware requirements supported by the Microsoft Dynamics® GP Technical Support Team. 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.

Review each layer below to determine the profile that best fits your business taking into account the user count, modules used and transaction volume. Use these guidelines for your server hardware implementation.

Please also review the Microsoft Dynamics GP 2010 Web Applications Requirements documentation for requirements specific to some features including Business Portal for Microsoft Dynamics GP, Workflow and Web Services.

For the most current System Requirements, please refer to the System Requirements pages in PartnerSource and CustomerSource.

Client Requirements

Item	Requirements	
	x86	x64
Operating System	<ul style="list-style-type: none"> • Windows® 7 Enterprise, Ultimate or Professional Edition SP1 or later • Windows® Vista Enterprise, Ultimate or Business Edition SP2 or later • Windows® XP Professional Edition SP3 or later 	<ul style="list-style-type: none"> • Windows 7 Enterprise, Ultimate or Professional Edition SP1 or later • Windows Vista Enterprise, Ultimate or Business Edition SP2 or later • Windows XP Professional Edition SP3 or later
Processor	1 Dual Core or 1 Single Core Processor 2.6 GHz or higher	
Available Hard Disk Space	2GB or more on the system root	
Minimum Available RAM	2GB or more	
Network Card	1GB Ethernet	
Microsoft Office	Microsoft® Office 2007 Microsoft Office 2010 NOTE: The E-mail Functionality in Microsoft Dynamics GP 2010 requires the x86 version of Microsoft Office.	
Internet	Windows® Internet Explorer® 7 (formerly Microsoft® Internet Explorer®)	

Explorer	Windows Internet Explorer 8.0 Windows Internet Explorer 9.0
Adobe	Adobe 8.0 Adobe 9.0
Virtual Environments (Optional)	Hardware Virtualization Microsoft Virtual PC Microsoft Virtual Server Windows Server® 2008 Hyper-V™ Software Virtualization Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6 For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm

Server Recommendations – Customer Profile 1

Item	Requirements	
Customer Profile 1 Usage	<ul style="list-style-type: none"> • Use only Financial Series modules • Have between 0-5 concurrent users for Microsoft SQL Server or for Microsoft SQL Server Express • Process fewer than 250 transactions per day • No web applications in use • Peer to Peer Environment 	
	x86	x64
Database Requirements	<ul style="list-style-type: none"> • Microsoft® SQL Server® 2008 R2 SP1 or later - Standard, Workgroup or Express Editions • Microsoft SQL Server 2008 SP1 or later - Standard, Workgroup or Express Editions • Microsoft SQL Server 2005 SP3 or later - Standard, Workgroup or Express Editions <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<ul style="list-style-type: none"> • Microsoft SQL Server 2008 R2 SP1 or later - Standard, Workgroup or Express Editions • Microsoft SQL Server 2008 SP1 or later - Standard, Workgroup or Express Editions • Microsoft SQL Server 2005 SP3 or later - Standard, Workgroup or Express Editions <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
Operating System	<ul style="list-style-type: none"> • Windows Small Business Server 2011 Standard Edition with Premium Add-on 	<ul style="list-style-type: none"> • Windows Small Business Server 2011 Standard Edition with Premium Add-on

	<ul style="list-style-type: none"> • Windows Server 2008 Standard Edition SP2 or later • Windows Small Business Server 2008 Premium Edition SP2 or later • Windows Server 2003 R2 Standard Edition • Windows Server 2003 Standard Edition SP2 or later • Windows Small Business Server 2003 R2 Premium Edition • Windows Small Business Server 2003 Premium Edition SP2 or later • Windows Small Business Server 2003 Standard Edition SP2 or later(SQL 2005/2008 Express ONLY) • Windows Small Business Server 2003 R2 Standard Edition (SQL 2005/2008 Express ONLY) 	<ul style="list-style-type: none"> • Windows Server 2008 R2 SP1 or later Standard Edition • Windows Server 2008 Standard Edition SP2 or later • Windows Small Business Server 2008 Premium Edition SP2 or later • Windows Server 2003 R2 Standard Edition • Windows Server 2003 Standard Edition SP2 or later • Windows Small Business Server 2003 R2 Premium Edition • Windows Small Business Server 2003 Premium Edition SP2 or later
Processor	1 Dual Core or 2 Single Core Processors	
Disk Configuration	RAID 1 for operating system and applications (2 disks) RAID 5 for SQL database log and data files (4 disks)	
Minimum Available RAM	2GB or more	
Network Card	1GB Ethernet	
Virtual Environments (Optional)	<p>Hardware Virtualization Microsoft Virtual PC Microsoft Virtual Server Windows Server 2008 Hyper-V</p> <p>Software Virtualization Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6</p> <p>For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm</p>	

Server Recommendations – Customer Profile 2

Item	Requirements	
Customer Profile 2 Usage	<ul style="list-style-type: none"> • Use only Financial Series modules • Have between 0-20 concurrent users for Microsoft SQL Server or 0-10 concurrent users for Microsoft SQL Server 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 Microsoft SQL Server Express only 	
	x86	x64
Database	• Microsoft SQL Server 2008 R2 SP1 or later	• Microsoft SQL Server 2008 R2 SP1 or later -

Requirements	<p>- Standard, Workgroup or Express Editions</p> <ul style="list-style-type: none"> • Microsoft SQL Server 2008 SP1 or later - Standard, Workgroup or Express Editions • Microsoft SQL Server 2005 SP3 or later - Standard, Workgroup or Express Editions <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<p>Standard, Workgroup or Express Editions</p> <ul style="list-style-type: none"> • Microsoft SQL Server 2008 Standard, Workgroup or Express Editions SP1 or later • Microsoft SQL Server 2005 Standard, Workgroup or Express Editions SP3 or later <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
Operating System	<ul style="list-style-type: none"> • Windows Small Business Server 2011 Standard Edition with Premium Add-on • Windows Server 2008 Standard Edition SP2 or later • Windows Small Business Server 2008 Premium Edition SP2 or later • Windows Server 2003 R2 Standard Edition • Windows Server 2003 Standard Edition SP2 or later • Windows Small Business Server 2003 R2 Premium Edition • Windows Small Business Server 2003 Premium Edition SP2 or later • Windows Small Business Server 2003 Standard Edition SP2 or later (SQL 2005/2008 Express ONLY) • Windows Small Business Server 2003 R2 Standard Edition (SQL 2005/2008 Express ONLY) 	<ul style="list-style-type: none"> • Windows Small Business Server 2011 Standard Edition with Premium Add-on • Windows Server 2008 R2 SP1 or later Standard Edition • Windows Server 2008 Standard Edition SP2 or later • Windows Small Business Server 2008 Premium Edition SP2 or later • Windows Server 2003 R2 Standard Edition • Windows Server 2003 Standard Edition SP2 or later • Windows Small Business Server 2003 R2 Premium Edition • Windows Small Business Server 2003 Premium Edition SP2 or later
Processor	1 Dual Core or 2 Single Core Processors	
Disk Configuration	RAID 1 for operating system and applications (2 disks) RAID 5 for SQL database log and data files (4 disks)	
Minimum Available RAM	2GB or more	
Network Card	1GB Ethernet	
Virtual Environments (Optional)	<p>Hardware Virtualization</p> <p>Microsoft Virtual PC</p> <p>Microsoft Virtual Server</p> <p>Windows Server 2008 Hyper-V</p> <p>Software Virtualization</p>	

	<p>Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6</p> <p>For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm</p>
--	--

Server Recommendations – Customer Profile 3

Item	Requirements	
Customer Profile 3 Usage	<ul style="list-style-type: none"> • 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 	
	x86	x64
Database Requirements	<ul style="list-style-type: none"> • Microsoft SQL Server 2008 R2 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2008 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2005 SP3 or later - Enterprise Edition or Standard Edition <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<ul style="list-style-type: none"> • Microsoft SQL Server 2008 R2 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2008 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2005 SP3 or later - Enterprise Edition or Standard Edition <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
Operating System	<ul style="list-style-type: none"> • Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition • Windows Server 2003 R2 Enterprise Edition or Standard Edition • Windows Server 2003 SP2 or later - Enterprise Edition or Standard Edition 	<ul style="list-style-type: none"> • Windows Server 2008 R2 SP1 or later Enterprise Edition or Standard Edition • Windows Server 2008 SP 2 or later - Enterprise Edition or Standard Edition • Windows Server 2003 R2 Enterprise Edition or Standard Edition • Windows Server 2003 SP 2 or later -

		Enterprise Edition or Standard Edition
Processor	1 Dual Core or 2 Single Core Processors	
Disk Configuration	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 0+1 (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)	
Minimum Available RAM	4GB or more	
Network Card	1GB Ethernet	
Virtual Environments (Optional)	Hardware Virtualization Microsoft Virtual PC Microsoft Virtual Server Windows Server 2008 Hyper-V Software Virtualization Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6 For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm	

Server Recommendations – Customer Profile 4

Item	Requirements	
Customer Profile 4 Usage	<ul style="list-style-type: none"> • 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 	
	x86	x64
Database Requirements	<ul style="list-style-type: none"> • Microsoft SQL Server 2008 R2 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2008 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2005 SP3 or later - Enterprise Edition or Standard Edition <p>Supported Microsoft SQL Server Collation 1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-</p>	<ul style="list-style-type: none"> • Microsoft SQL Server 2008 R2 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2008 SP1 or later - Enterprise Edition or Standard Edition • Microsoft SQL Server 2005 SP3 or later - Enterprise Edition or Standard Edition <p>Supported Microsoft SQL Server Collation 1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-</p>

	<p>click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<p>click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS</p> <p>2. Binary - Sort Order 50 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
Operating System	<ul style="list-style-type: none"> Windows Server 2008 Enterprise Edition SP2 or later Windows Server 2003 R2 Enterprise Edition Windows Server 2003 Enterprise Edition SP2 or later 	<ul style="list-style-type: none"> Windows Server 2008 R2 SP1 or later Enterprise Edition Windows Server 2008 Enterprise Edition SP2 or later Windows Server 2003 R2 Enterprise Edition Windows Server 2003 Enterprise Edition SP2 or later
Processor	2 Dual Core or 4 Single Core Processors	
Disk Configuration	RAID 1 for operating system and applications (2 disks) RAID 1 for SQL database log files (2 disks) RAID 1 for TempDB (2 disks) RAID 0 for SQL backups (full and log) (2 disks) RAID 0+1 for data files (8 disks or more)	
Minimum Available RAM	8GB or more	
Network Card	1GB Ethernet	
Virtual Environments (Optional)	Hardware Virtualization Microsoft Virtual PC Microsoft Virtual Server Windows Server 2008 Hyper-V Software Virtualization Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6 For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm	

Terminal Server Requirements

Item	Requirements	
	x86	x64
Operating System	<ul style="list-style-type: none"> Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition Windows Server 2003 R2 Enterprise Edition or Standard Edition Windows Server 2003 SP2 or later - Enterprise Edition or Standard Edition 	<ul style="list-style-type: none"> Windows Server 2008 R2 SP 1 or later Enterprise Edition or Standard Edition Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition Windows Server 2003 R2 Enterprise Edition or Standard Edition Windows Server 2003 SP2 or later -

		Enterprise Edition or Standard Edition
Citrix (Optional)	Citrix Presentation Server 4.5 Citrix XenApp	
Processor	2 Dual Core or 4 Single Core Processors	
Disk Configuration	RAID 1 for operating system and applications (2 disks)	
Minimum Available RAM	4GB or more	
Network Card	1GB Ethernet	
Users	15-20 Users per Terminal Server	
Virtual Environments (Optional)	<p>Hardware Virtualization Microsoft Virtual PC Microsoft Virtual Server Windows Server 2008 Hyper-V</p> <p>Software Virtualization Microsoft SoftGrid 4.2 Microsoft Application Virtualization (App-V) 4.6</p> <p>For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Dynamics GP as the product. http://www.windowsservercatalog.com/svvp.aspx?svppage=svvpwizard.htm</p>	



© 2011 Microsoft. All rights reserved.