

# System Requirements for Microsoft Dynamics GP 2015

## 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 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.

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.

## Client Requirements

Item	Requirements	
	32-bit	x64
Operating System	Microsoft Windows 10 Professional Edition	Microsoft Windows 10 Professional Edition
	Microsoft Windows 10 Enterprise Edition	Microsoft Windows 10 Enterprise Edition
	Microsoft Windows 8 & 8.1 Professional Edition	Microsoft Windows 8 & 8.1 Professional Edition
	Microsoft Windows 8 & 8.1 Ultimate Edition	Microsoft Windows 8 & 8.1 Ultimate Edition
	Microsoft Windows 8 & 8.1 Enterprise Edition	Microsoft Windows 8 & 8.1 Enterprise Edition
	Microsoft Windows 7 Professional Edition	Microsoft Windows 7 Professional Edition
	Microsoft Windows 7 Ultimate Edition	Microsoft Windows 7 Ultimate Edition
	Microsoft Windows 7 Enterprise Edition	Microsoft Windows 7 Enterprise Edition
	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	2GB or more on the system root
Minimum Available RAM	2GB or more	2GB or more
Network Card	1GB Ethernet	
	Microsoft Office 2013 32bit & x64	
	Microsoft Office 2010 32bit & x64	
	Microsoft Office 2016 32bit & x64 (Microsoft Dynamics GP 2015 R2 or later)	

NOTES:

Microsoft Office	<ol style="list-style-type: none"> <li>1. If using Office x64, the server type in System Preferences (Microsoft Dynamics GP   Tools   System   Setup   System Preferences) must be set to Exchange.</li> <li>2. The Exchange server type only supports XPS and DOCX. PDF is not supported with the Exchange server type.</li> <li>3. If using Office 32bit, the server type in System Preferences can either be MAPI or Exchange</li> </ol>
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Internet Explorer	<p>Internet Explorer 11.0 - Desktop Mode Only</p> <p>Internet Explorer 10.0 - Desktop Mode Only</p>
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ODBC Driver	<p>SQL Native Client 11.0</p> <p>SQL Native Client 10.0</p>
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**\*\*NOTE: A 32bit ODBC DSN is required for Microsoft Dynamics GP 2015\*\***

Adobe	Adobe X
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Virtual Environments Supported (Optional)	<p>Hardware Virtualization</p> <p>Windows Server 2012 Hyper-V</p> <p>Windows Server 2012 R2 Hyper-V</p> <p>Windows Server 2008 R2 Hyper-V</p> <p>Windows Server 2008 Hyper-V</p> <p>Software Virtualization</p> <p>Microsoft Application Virtualization (App-V) 5.0</p>
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NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:
  - a. Windows XP all editions

- b. Windows Server 2003 all editions
- c. Windows Vista all editions
- d. Microsoft Office 2007
- e. Microsoft SQL Server 2008 all editions
- f. Office Communicator 2007

2. A 32-bit ODBC DSN is required for Microsoft Dynamics GP 2015 on a 32-bit and x64 machine. Refer to KnowledgeBase Article 870416 for the steps to setup a 32-bit ODBC DSN on an x64 machine.

3. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements. For more information, click the following article number to view the article in the Microsoft Knowledge Base: 897615 Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

#### Server Recommendations: Customer Profile 1

Item	Requirements	
Customer Profile 1 Usage	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	
Database Requirements	No web applications in use	
	Peer to Peer Environment	
	32-bit	x64
Database Requirements	Microsoft SQL Server 2014 -Enterprise, Standard or Express	Microsoft SQL Server 2014 -Enterprise, Standard or Express
	Microsoft SQL Server 2012 - Enterprise, Standard or Express	Microsoft SQL Server 2012 - Enterprise, Standard or Express
Database Requirements	Supported Microsoft SQL Server Collation 1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server	Supported Microsoft SQL Server Collation 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	Collation = SQL_Latin1_General_CP1_CI_AS
	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	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
Operating System	Microsoft Windows Server 2008 Standard Edition SP2 or later	Microsoft Windows Server 2012 Essentials Edition or Standard Edition Microsoft Windows Server 2012 R2 Essentials Edition or Standard Edition Microsoft Windows Server 2008 R2 Standard Edition SP1 or later Microsoft Windows Server 2008 Standard Edition SP2 or later
Processor	1 Dual Core or 2 Single Core Processors	1 Dual Core or 2 Single Core Processors
Minimum Available RAM	2 GB or more	2 GB or more
Network Card	1GB Ethernet	
Virtual Environments Supported (Optional)	Hardware Virtualization Windows Server 2012 Hyper-V Windows Server 2012 R2 Hyper-V Windows Server 2008 R2 Hyper-V Windows Server 2008 Hyper-V  Software Virtualization Microsoft Application Virtualization (App-V) 5.0	

#### NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:

- a. Windows XP all editions
- b. Windows Server 2003 all editions
- c. Windows Vista all editions
- d. Microsoft Office 2007
- e. Microsoft SQL Server 2008 all editions
- f. Office Communicator 2007

2. Microsoft SQL Server 2008 Express or Microsoft SQL Server 2012 Express can be installed on a non-server operating system, however it is recommended to install on a server operating system.

3. Verify processors can be upgraded.

4. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements. For more information, click the following article number to view the article in the Microsoft Knowledge Base: 897615 Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

Top

#### Server Recommendations: Customer Profile 2

Item	Requirements	
Customer Profile 2 Usage	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 Management Reporter	
	Process fewer than 1000 transactions per day	
Database Requirements	Import very little data	
	Dedicated server with Microsoft SQL Server only	
	Recommend a dedicated server with Microsoft SQL Server Express only	
	32-bit	x64
	Microsoft SQL Server 2014 -Enterprise, Standard or Express	Microsoft SQL Server 2014 -Enterprise, Standard or Express
	Microsoft SQL Server 2012 -Enterprise, Standard or Express	Microsoft SQL Server 2012 -Enterprise, Standard or Express
	Supported Microsoft SQL Server Collation	Supported Microsoft SQL Server Collation
	1. Dictionary Order Case Insensitive - Sort Order 52	1. Dictionary Order Case Insensitive - Sort Order 52

	<p>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</p> <p>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<p>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</p> <p>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
Operating System	<p>Microsoft Windows Small Business Server 2011 Standard Edition with Premium Add-on</p> <p>Microsoft Windows Server 2008 Standard Edition SP2 or later</p> <p>Microsoft Windows Small Business Server 2008 Premium Edition SP2 or later</p>	<p>Microsoft Windows Server 2012 Essentials Edition or Standard Edition</p> <p>Microsoft Windows Server 2012 R2 Essentials Edition or Standard Edition</p> <p>Microsoft Windows Server 2008 R2 Standard Edition SP1 or later</p> <p>Microsoft Windows Server 2008 Standard Edition SP2 or later</p>
Processor	1 Dual Core or 2 Single Core Processors	1 Dual Core or 2 Single Core Processors
Disk Configuration	<p>RAID 1 for operating system and applications (2 disks)</p> <p>RAID 5 for SQL database log and data files (4 disks)</p>	<p>RAID 1 for operating system and applications (2 disks)</p> <p>RAID 5 for SQL database log and data files (4 disks)</p>
Minimum Available RAM	2 GB or more	2 GB or more
Network Card	1GB Ethernet	
Virtual Environments	Hardware Virtualization Windows Server 2012 Hyper-V	

Supported (Optional)	Windows Server 2012 R2 Hyper-V Windows Server 2008 R2 Hyper-V Windows Server 2008 Hyper-V
	Software Virtualization Microsoft Application Virtualization (App-V) 5.0

#### NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:
  - a. Windows XP all editions
  - b. Windows Server 2003 all editions
  - c. Windows Vista all editions
  - d. Microsoft Office 2007
  - e. Microsoft SQL Server 2008 all editions
  - f. Office Communicator 2007
2. Microsoft SQL 2008 Express and Microsoft SQL Server 2012 Express can be installed on a non-server operating system, however it is recommended to install on a server operating system.
3. Verify processors can be upgraded.
4. Additional disks will improve Microsoft SQL Server performance.
5. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements. For more information, click the following article number to view the article in the Microsoft Knowledge Base: 897615 Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

Top

#### Server Recommendations: Customer Profile 3

Item	Requirements
Customer Profile 3 Usage	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 Management Reporter
	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

	32-bit	x64
Database Requirements	<p>Microsoft SQL Server 2014 Enterprise or Standard</p> <p>Microsoft SQL Server 2012 - Enterprise or Standard</p> <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52</p> <p>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</p> <p>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>	<p>Microsoft SQL Server 2014 Enterprise or Standard</p> <p>Microsoft SQL Server 2012 - Enterprise or Standard</p> <p>Supported Microsoft SQL Server Collation</p> <p>1. Dictionary Order Case Insensitive - Sort Order 52</p> <p>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</p> <p>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN</p>
	<p>Microsoft Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition</p>	<p>Microsoft Windows Server 2012 Standard or Datacenter Edition</p> <p>Microsoft Windows Server 2012 R2 Standard or Datacenter Edition</p> <p>Microsoft Windows Server 2008 R2 Enterprise Edition or Standard Edition SP1 or later</p> <p>Microsoft Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition</p>
Operating System		
Processor	1 Dual Core or 2 Single Core Processors	1 Dual Core or 2 Single Core Processors



Disk Configuration	<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 0+1 (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>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 0+1 (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>
Minimum Available RAM	4 GB or more	4 GB or more
Network Card	1GB Ethernet	
Virtual Environments Supported (Optional)	<p>Hardware Virtualization</p> <p>Windows Server 2012 Hyper-V</p> <p>Windows Server 2012 R2 Hyper-V</p> <p>Windows Server 2008 R2 Hyper-V</p> <p>Windows Server 2008 Hyper-V</p> <p>Software Virtualization</p> <p>Microsoft Application Virtualization (App-V) 5.0</p>	

## NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:
  - a. Windows XP all editions
  - b. Windows Server 2003 all editions
  - c. Windows Vista all editions
  - d. Microsoft Office 2007
  - e. Microsoft SQL Server 2008 all editions
  - f. Office Communicator 2007
2. Verify processors can be upgraded.
3. Additional disks will improve Microsoft SQL Server performance.
4. Verify switch is capable of handling network traffic.
5. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you

deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements. For more information, click the following article number to view the article in the Microsoft Knowledge Base:

897615 Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

Server Recommendations: Customer Profile 4

Item	Requirements		
Customer Profile 4 Usage	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 Management Reporter 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		
	32-bit	x64	
	Microsoft SQL Server 2014 Enterprise or Standard Edition	Microsoft SQL Server 2014 Enterprise or Standard Edition	
Microsoft SQL Server 2012 Enterprise or Standard Edition	Microsoft SQL Server 2012 Enterprise or Standard Edition		
Database Requirements	Supported Microsoft SQL Server Collation		
	1. Dictionary Order Case Insensitive - Sort Order 52 In the SQL Server	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	Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS	
	2. Binary - Sort Order 50 In the SQL Server	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	Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN
Operating System	Microsoft Windows Server 2008 Enterprise Edition SP2 or later	Microsoft Windows Server 2012 Datacenter Edition Microsoft Windows Server 2012 R2 Datacenter Edition  Microsoft Windows Server 2008 R2 Enterprise Edition SP1 or later Microsoft Windows Server 2008 Enterprise Edition SP2 or later
Processor	2 Dual Core or 4 Single Core Processors	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)	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	8 GB or more	8 GB or more
Network Card	1GB Ethernet	
Virtual Environments Supported (Optional)	Hardware Virtualization Windows Server 2012 Hyper-V Windows Server 2012 R2 Hyper-V Windows Server 2008 R2 Hyper-V Windows Server 2008 Hyper-V  Software Virtualization Microsoft Application Virtualization (App-V) 5.0	

## NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:

- a. Windows XP all editions
- b. Windows Server 2003 all editions
- c. Windows Vista all editions
- d. Microsoft Office 2007
- e. Microsoft SQL Server 2008 all editions
- f. Office Communicator 2007

2. Verify processors can be upgraded to 8 processors.

3. Additional disks will improve Microsoft SQL Server performance.

4. Verify switch is capable of handling network traffic.

5. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements. For more information, click the following article number to view the article in the Microsoft Knowledge Base: 897615 Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

Top

## Remote Desktop Services Requirements

Item	Requirements	
	32-bit	x64
Operating System	Microsoft Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition	Microsoft Windows Server 2012 Datacenter Edition Microsoft Windows Server 2012 R2 Datacenter Edition Microsoft Windows Server 2008 R2 SP1 or later - Enterprise Edition or Standard Edition Microsoft Windows Server 2008 SP2 or later - Enterprise Edition or Standard Edition
Citrix (Optional)	Citrix XenApp	Citrix XenApp
Processor	1 Quad Core or 2 Dual Core Processors or higher	1 Quad Core or 2 Dual Core Processors or higher

Disk Configuration	RAID 1 for operating system and applications (2 disks)	RAID 1 for operating system and applications (2 disks)
Minimum Available RAM	4 GB – Up to 15 concurrent users 8 GB – Up to 30 concurrent users 16 GB – Up to 60 concurrent users	4 GB – Up to 15 concurrent users 8 GB – Up to 30 concurrent users 16 GB – Up to 60 concurrent users
Network Card	1GB Ethernet	
Virtual Environments Supported (Optional)	Hardware Virtualization Windows Server 2008 Hyper-V Windows Server 2008 R2 Hyper-V Windows Server 2012 Hyper-V  Software Virtualization Microsoft Application Virtualization (App-V) 5.0	

#### NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2015:

- a. Windows XP all editions
- b. Windows Server 2003 all editions
- c. Windows Vista all editions
- d. Microsoft Office 2007
- e. Microsoft SQL Server 2008 all editions
- f. Office Communicator 2007

2. 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.

3. If using Adobe, Adobe must be installed at the Terminal Server.

4. If using Lync for Unified Communications, a remote app for Lync must also be configured and copied to the client along with the Microsoft Dynamics GP remote app. The Lync remote app must be launched first and then the Microsoft Dynamics GP remote app.

5. If accessing Citrix, the hardware and software must be supported according to the Citrix configuration requirements.

6. Verify processors can be upgraded.

7. The amount of RAM needed depends on the number of concurrent users per

Terminal Server.

8. Verify switch is capable of handling network traffic.
9. Increased user count may require greater RAM and Processor speed.
10. Users utilizing Management Reporter or Crystal reporting via Terminal Services may require increased hardware to increase performance.
11. When you deploy a system in a virtual environment, make sure that you have sufficient hard disk space to avoid performance problems. Each computer that you deploy in a virtual environment should meet or exceed the random access memory (RAM) requirements and the hard disk space requirements.

#### Additional Information

1. This document represents configurations tested by Microsoft Business Solutions and supported by Microsoft Dynamics GP 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. The following are no longer supported with Microsoft Dynamics GP 2015:

- a. Windows XP all editions
- b. Windows Server 2003 all editions
- c. Windows Vista all editions
- d. Microsoft Office 2007
- e. Microsoft SQL Server 2008 all editions
- f. Office Communicator 2007

3. Click [HERE](#) to view a KnowledgeBase article regarding support in a virtual environment. The following virtual products have been tested: Microsoft Windows Server 2012 Hyper-V, Windows Server 2008 R2 Hyper-V, Microsoft Windows Server 2008 Hyper-V, Microsoft Application Virtualization (App-V) 5.0.

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>

4. The Microsoft Dynamics GP 2015 core application is supported in a peer to peer (workgroup) environment. This environment excludes all web applications such as Web Services, eConnect, and Management Reporter. This also excludes Workflow 2.0 as a domain is required. If web applications are used, a domain is required.

5. If you have questions regarding licensing SQL Server for use with Microsoft Dynamics GP. Please contact a Licensing Specialist at 1-800-426-9400.

#### Support Information

For technical support questions, contact your partner or, if enrolled in a support plan directly with Microsoft, you can enter a new support request to Microsoft Dynamics® Technical Support from Customer Source or Partner Source under Support >> New Support Request.