



System Requirements for Microsoft Dynamics GP 2018

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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 Enterprise Edition Microsoft Windows 8 & 8.1 Professional Edition Microsoft Windows 8 & 8.1 Ultimate Edition Microsoft Windows 8 & 8.1 Enterprise Edition Microsoft Windows 7 Professional Edition Microsoft Windows 7 Ultimate Edition Microsoft Windows 7 Enterprise Edition	Microsoft Windows 10 Professional Edition Microsoft Windows 10 Enterprise Edition Microsoft Windows 8 & 8.1 Professional Edition Microsoft Windows 8 & 8.1 Ultimate Edition Microsoft Windows 8 & 8.1 Enterprise Edition Microsoft Windows 7 Professional Edition Microsoft Windows 7 Ultimate Edition Microsoft Windows 7 Enterprise Edition
Processor	1 Dual Core or 1 Single Core Processor 2.6 GHz or higher	1 Dual Core or 1 Single Core Processor 2.6 GHz or higher
Available Hard Disk Space	4GB or more on the system root	4GB or more on the system root
Minimum Available RAM	8GB or more	8GB or more

Network Card 1GB Ethernet

Microsoft Office Microsoft Office 2013 32bit & x64
Microsoft Office 2016 32bit & x64

NOTES:

1. If using Office x64, the server type in System Preferences (Microsoft Dynamics GP | Tools | System | Setup | System Preferences) must be set to Exchange.
2. The Exchange server type only supports XPS and DOCX.
3. If using Office 32bit, the server type in System Preferences can either be MAPI or Exchange

Internet Explorer Internet Explorer 11.0 - Desktop Mode Only
Edge

ODBC Driver SQL Native Client 11.0
SQL Native Client 10.0

****NOTE:** A 32bit ODBC DSN is required for Microsoft Dynamics GP 2018**

Adobe Adobe X

Virtual Environments Supported (Optional) Hardware Virtualization
Windows Server 2016 Hyper-V
Windows Server 2012 Hyper-V
Windows Server 2012 R2 Hyper-V

Software Virtualization
Microsoft Application Virtualization (App-V) 5.0

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is listed.
<http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. A 32-bit ODBC DSN is required for Microsoft Dynamics GP 2018 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.
2. 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 No web applications in use Peer to Peer Environment
	32-bit x64

Database	Microsoft SQL Server 2016	Microsoft SQL Server 2016
Requirements	-Enterprise, Standard or Express Microsoft SQL Server 2014 -Enterprise, Standard or Express	-Enterprise, Standard or Express Microsoft SQL Server 2014 -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
	In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS	In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS
	2. Binary - Sort Order 50	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	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 2016 Essentials Edition or Standard Edition Microsoft Windows Server 2012 Essentials Edition or Standard Edition Microsoft Windows Server 2012 R2 Essentials Edition or Standard Edition

Processor	1 Dual Core or 2 Single Core Processors	1 Dual Core or 2 Single Core Processors
Minimum Available RAM	16 GB or more	16 GB or more
Network Card	1GB Ethernet	
Virtual Environments Supported (Optional)	Hardware Virtualization Windows Server 2016 Hyper-V Windows Server 2012 Hyper-V Windows Server 2012 R2 Hyper-V Software Virtualization Microsoft Application Virtualization (App-V) 5.0	

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is listed.

<http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. 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.
2. Verify processors can be upgraded.

Server Recommendations: Customer Profile 2

Item	Requirements	
Customer Profile 2 Usage	<p>Use only Financial Series modules</p> <p>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</p> <p>Process fewer than 1000 transactions per day</p> <p>Import very little data</p> <p>Dedicated server with Microsoft SQL Server only</p> <p>Recommend a dedicated server with Microsoft SQL Server Express only</p>	
	32-bit	x64
Database Requirements	<p>Microsoft SQL Server 2016</p> <p>-Enterprise, Standard or Express</p> <p>Microsoft SQL Server 2014</p> <p>-Enterprise, Standard or Express</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</p>	<p>Microsoft SQL Server 2016</p> <p>-Enterprise, Standard or Express</p> <p>Microsoft SQL Server 2014</p> <p>-Enterprise, Standard or Express</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,</p>

	Properties: Server Collation = Latin1_General_BIN	right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN
Operating System		Microsoft Windows Server 2016 Essentials Edition or Standard Edition Microsoft Windows Server 2012 Essentials Edition or Standard Edition Microsoft Windows Server 2012 R2 Essentials Edition or Standard Edition
Processor	1 Dual Core or 2 Single Core Processors	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)	RAID 1 for operating system and applications (2 disks) RAID 5 for SQL database log and data files (4 disks)
Minimum Available RAM	16 GB or more	16 GB or more
Network Card	1GB Ethernet	
Virtual Environments	Hardware Virtualization Windows Server 2016 Hyper-V Windows Server 2012 Hyper-V	

**Supported
(Optional)** Windows Server 2012 R2 Hyper-V

Software Virtualization

Microsoft Application Virtualization (App-V) 5.0

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is listed.
<http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. Additional disks will improve Microsoft SQL Server performance.
2. Verify processors can be upgraded.
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](http://support.microsoft.com/kb/897615) Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

Server Recommendations: Customer Profile 3

Item	Requirements
Customer	Use Financials Series modules
Profile 3	Use Distribution Series modules moderately
Usage	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 Microsoft SQL Server 2016
Requirements -Enterprise or Standard
 Microsoft SQL Server 2014
 Enterprise or Standard
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
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

Microsoft SQL Server 2016
 -Enterprise or Standard
 Microsoft SQL Server 2014
 Enterprise or Standard
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
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 2016 Standard or Datacenter Edition

		Microsoft Windows Server 2012 Standard or Datacenter Edition
		Microsoft Windows Server 2012 R2 Standard or Datacenter Edition
Processor	1 Dual Core or 2 Single Core Processors	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)	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	32 GB or more	32 GB or more
Network Card	1GB Ethernet	
Virtual Environment	Hardware Virtualization	
s		

Supported Windows Server 2016 Hyper-V
(Optional) Windows Server 2012 Hyper-V
Windows Server 2012 R2 Hyper-V

Software Virtualization
Microsoft Application Virtualization (App-V) 5.0

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is listed.
<http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. Additional disks will improve Microsoft SQL Server performance.
2. Verify switch is capable of handling network traffic.
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.

Server Recommendations: Customer Profile 4

Item	Requirements
Customer Profile 4	Use Financials Series and Distribution Series modules extensively
Usage	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
Database	Microsoft SQL Server 2016	Microsoft SQL Server 2016
Requirements	-Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition	-Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition
	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
	In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS	In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS
	2. Binary - Sort Order 50	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	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
2016 Datacenter Edition
Microsoft Windows Server
2012 Datacenter Edition
Microsoft Windows Server
2012 R2 Datacenter Edition

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 32 GB or more

32 GB or more

Network Card 1GB Ethernet

Virtual Environments Supported (Optional) Hardware Virtualization
Windows Server 2016 Hyper-V
Windows Server 2012 Hyper-V
Windows Server 2012 R2 Hyper-V
Software Virtualization

Microsoft Application Virtualization (App-V) 5.0

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is listed.
<http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. Verify processors can be upgraded to 8 processors.
2. Additional disks will improve Microsoft SQL Server performance.
3. 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.

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Remote Desktop Services Requirements

Item	Requirements	
	32-bit	x64
Operating System		Microsoft Windows Server 2016 Datacenter Edition Microsoft Windows Server 2012 Datacenter Edition Microsoft Windows Server

2012 R2 Datacenter 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 2016 Hyper-V Windows Server 2012 Hyper-V Windows Server 2012 R2 Hyper-V Software Virtualization Microsoft Application Virtualization (App-V) 5.0	

For additional Virtual Technology Support, click the link below to review the Virtualization Support Policy Wizard. Choose Products to see if your Virtual Technology is

listed. <http://www.windowsservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. 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.
2. If using Adobe, Adobe must be installed at the Terminal Server.
3. 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.
4. If accessing Citrix, the hardware and software must be supported according to the Citrix configuration requirements.
5. Verify processors can be upgraded.
6. The amount of RAM needed depends on the number of concurrent users per Terminal Server.
7. Verify switch is capable of handling network traffic.
8. Increased user count may require greater RAM and Processor speed.
9. Users utilizing Management Reporter or Crystal reporting via Terminal Services may require increased hardware to increase performance.
10. 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.

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 2018:

- a. Windows Server 2008 all editions.
- b. Microsoft SQL Server 2012 all editions.

3. Click [HERE](#) to view a KnowledgeBase article regarding support in a virtual environment. The following virtual products have been tested: Microsoft Windows Server 2016 Hyper-V, Microsoft Window Server 2012 R2 Hyper-V, Microsoft Windows

Server 2012 Hyper-V, Windows Server 2008 R2 Hyper-V, Microsoft Windows
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 2018 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. Click [HERE](#) for more information regarding SQL Server 2012 supported features with Microsoft Dynamics GP 2018.

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

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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](#)**.

You can also contact Microsoft Dynamics® Technical Support by phone using these links for country specific phone numbers.

Partners - [Global Support Contacts](#) (requires Partner Source login)

Customers - [Global Support Contacts](#) (requires Customer Source login)