

# Dynamics GP Great Plains 2018

## System Requirements

### Client Requirements

Item	Requirements	
	<b>32-bit</b>	<b>x64</b>
<b>Operating System</b>	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 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
<b>Processor</b>	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
<b>Available Hard Disk Space</b>	2GB or more on the system root	2GB or more on the system root
<b>Minimum Available RAM</b>	2GB or more	2GB or more
<b>Network Card</b>	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.

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## Server Recommendations: Customer Profile 1

Item	Requirements		
<b>Customer Profile 1 Usage</b>	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		
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"><b>32-bit</b></td> <td style="width: 50%; text-align: center;"><b>x64</b></td> </tr> </table>	<b>32-bit</b>	<b>x64</b>
<b>32-bit</b>	<b>x64</b>		

**Database** Microsoft SQL Server 2016

**Requirements** -Enterprise, Standard or Express  
Microsoft SQL Server 2014  
-Enterprise, Standard or Express

**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, Standard or Express

Microsoft SQL Server 2014

-Enterprise, Standard or Express

**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 Essentials Edition or Standard Edition

Microsoft Windows Server 2012 Essentials Edition or Standard Edition

Microsoft Windows Server 2012 R2 Essentials Edition or Standard Edition

<b>Processor</b>	1 Dual Core or 2 Single Core Processors	1 Dual Core or 2 Single Core Processors
<b>Minimum Available RAM</b>	2 GB or more	2 GB or more
<b>Network Card</b>	1GB Ethernet	
<b>Virtual Environments Supported (Optional)</b>	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.

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## Server Recommendations: Customer Profile 2

Item	Requirements	
<b>Customer Profile 2 Usage</b>	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 Import very little data Dedicated server with Microsoft SQL Server only Recommend a dedicated server with Microsoft SQL Server Express only	
	<b>32-bit</b>	<b>x64</b>
<b>Database Requirements</b>	Microsoft SQL Server 2016 -Enterprise, Standard or Express Microsoft SQL Server 2014 -Enterprise, Standard or Express	Microsoft SQL Server 2016 -Enterprise, Standard or Express Microsoft SQL Server 2014 -Enterprise, Standard or Express
<b>Supported Microsoft SQL Server Collation</b>	<b>1. Dictionary Order Case Insensitive - Sort Order 52</b> In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS	<b>Supported Microsoft SQL Server Collation</b> <b>1. Dictionary Order Case Insensitive - Sort Order 52</b> 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

**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 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** 2 GB or more

2 GB or more

**Network Card** 1GB Ethernet

**Virtual** Hardware Virtualization  
**Environme** Windows Server 2016 Hyper-V  
**nts** Windows Server 2012 Hyper-V  
**Supported** Windows Server 2012 R2 Hyper-V  
**(Optional)** 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?svvpvpage=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](#) Support policy for Microsoft software running in non-Microsoft hardware virtualization software.

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## Server Recommendations: Customer Profile 3

Item	Requirements
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**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**

<b>Database</b>	Microsoft SQL Server 2016	Microsoft SQL Server 2016
<b>Requirements</b>	-Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard	-Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard
	<b>Supported Microsoft SQL Server Collation</b>	<b>Supported Microsoft SQL Server Collation</b>
	<b>1. Dictionary Order Case Insensitive - Sort Order 52</b>	<b>1. Dictionary Order Case Insensitive - Sort Order 52</b>
	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
	<b>2. Binary - Sort Order 50</b>	<b>2. Binary - Sort Order 50</b>
	In the SQL Server Management Studio, right-click the SQL Server Name and click	In the SQL Server Management Studio, right-click the SQL Server Name and click

**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

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 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 0 for SQL backups  
(full and log) (2 disks)

**Minimum Available RAM**      4 GB or more                      4 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?svppage=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.

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## Server Recommendations: Customer Profile 4

Item	Requirements	
<b>Customer Profile 4 Usage</b>	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	
	<b>32-bit</b>	<b>x64</b>
<b>Database Requirements</b>	Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition	Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition <b>Supported Microsoft SQL</b>

**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

**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 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

RAID 1 for operating system and applications (2 disks)  
 RAID 1 for SQL database log

	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)	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)
<b>Minimum Available RAM</b>	8 GB or more	8 GB or more
<b>Network Card</b>	1GB Ethernet	
<b>Virtual Environments Supported (Optional)</b>	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?svppage=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	
	<b>32-bit</b>	<b>x64</b>
<b>Operating System</b>	Microsoft Windows Server 2016 Datacenter Edition Microsoft Windows Server 2012 Datacenter Edition	Microsoft Windows Server 2012 R2 Datacenter Edition
<b>Citrix (Optional)</b>	Citrix XenApp	Citrix XenApp
<b>Processor</b>	1 Quad Core or 2 Dual Core Processors or higher	1 Quad Core or 2 Dual Core Processors or higher

<b>Disk Configuration</b>	RAID 1 for operating system and applications (2 disks)	RAID 1 for operating system and applications (2 disks)
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<b>Minimum Available RAM</b>	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
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<b>Network Card</b>	1GB Ethernet
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<b>Virtual Environments Supported (Optional)</b>	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
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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.

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## 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.
- c. Microsoft Windows 7 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.windowservercatalog.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.