



System Requirements for Microsoft Dynamics GP 2016

Client Requirements

Item	Requirements	
	32-bit	x64
	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
Operating System	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	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 2016 32bit & x64

**Microsoft
Office**

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. PDF is not supported with the Exchange server type.
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 2016**

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
Windows Server 2008 R2 Hyper-V
Windows Server 2008 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. The following are no longer supported with Microsoft Dynamics GP 2016:
 - a. Microsoft Office 2010 32bit & x64
2. A 32-bit ODBC DSN is required for Microsoft Dynamics GP 2016 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
	Microsoft SQL Server 2016 -Enterprise, Standard or Express	Microsoft SQL Server 2016 -Enterprise, Standard or Express
	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
	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	In the SQL Server Management Studio, right-click the SQL Server Name



-click the SQL Server Name
and click Properties:
Server Collation = Latin1_General_BIN

and click Properties: Server
Collation = Latin1_General_BIN

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

Microsoft Windows Server
2008 R2 Standard Edition
SP1 or later

Microsoft Windows Server
2008 Standard Edition SP2
or later

**Operating
System**

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**

Hardware Virtualization
Windows Server 2016 Hyper-V
Windows Server 2012 Hyper-V



Supported

Windows Server 2012 R2 Hyper-V

(Optional)

Windows Server 2008 R2 Hyper-V

Windows Server 2008 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.windowservercatalog.com/svvp.aspx?svvppage=svvpwizard.htm>

NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2016:

a. Microsoft Office 2010 32bit & x64

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.

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
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 2016
-Enterprise, Standard or Express
Microsoft SQL Server 2014
-Enterprise, Standard or Express
Microsoft SQL Server 2012 -
Enterprise, Standard or Express

Microsoft SQL Server 2016
-Enterprise, Standard or Express
Microsoft SQL Server 2014
-Enterprise, Standard or Express
Microsoft SQL Server 2012 -
Enterprise, Standard or Express

Database

Requirements

**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

In the SQL Server
Management Studio,



	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 2008 Standard Edition SP2 or later Microsoft Windows Small Business Server 2008 Premium Edition SP2 or later	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 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
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**

1GB Ethernet

Card

Hardware Virtualization

Windows Server 2016 Hyper-V

Windows Server 2012 Hyper-V

Windows Server 2012 R2 Hyper-V

Windows Server 2008 R2 Hyper-V

Virtual

Windows Server 2008 Hyper-V

Environments**Supported**

Software Virtualization

(Optional)

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. The following are no longer supported with Microsoft Dynamics GP 2016:
 - a. Microsoft Office 2010 32bit & x64
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.

Server Recommendations: Customer Profile 3

Item	Requirements	
	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	
Customer Profile 3 Usage	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
	Microsoft SQL Server 2016	Microsoft SQL Server 2016
	-Enterprise or Standard	-Enterprise or Standard
	Microsoft SQL Server 2014	Microsoft SQL Server 2014
	Enterprise or Standard	Enterprise or Standard
	Microsoft SQL Server 2012 -	Microsoft SQL Server 2012 -
	Enterprise or Standard	Enterprise or Standard
Database Requirements	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



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

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 2008 SP2 or later - Enterprise Edition or Standard Edition

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

Microsoft Windows Server 2008 R2 Enterprise Edition or Standard Edition SP1 or later
Microsoft Windows Server 2008 SP2 or later - Enterprise 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 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**

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
Windows Server 2008 R2 Hyper-V
Windows Server 2008 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/svp.aspx?svppage=svpwizard.htm>

NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2016:

a. Microsoft Office 2010 32bit & x64

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 2016
-Enterprise or Standard
Microsoft SQL Server 2014
Enterprise or Standard Edition
Microsoft SQL Server 2012 Enterprise or Standard Edition

Microsoft SQL Server 2016
-Enterprise or Standard
Microsoft SQL Server 2014
Enterprise or Standard Edition
Microsoft SQL Server 2012 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

In the SQL Server Management Studio, right-click the SQL Server

Database Requirements



	Name and click Properties: Server Collation = Latin1_General_BIN	Name and click Properties: Server Collation = Latin1_General_BIN
Operating System	Microsoft Windows Server 2008 Enterprise Edition SP2 or later	Microsoft Windows Server 2016 Datacenter Edition 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

8 GB or more

8 GB or more

RAM

Network

Card

1GB Ethernet

Virtual

Environments

Supported

Hardware Virtualization

Windows Server 2016 Hyper-V

Windows Server 2012 Hyper-V

Windows Server 2012 R2 Hyper-V

Windows Server 2008 R2 Hyper-V

Windows Server 2008 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?svppage=svvpwizard.htm>

NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2016:

a. Microsoft Office 2010 32bit & x64

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.

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 2016 Datacenter 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 2016 Hyper-V Windows Server 2012 Hyper-V Windows Server 2012 R2 Hyper-V Windows Server 2008 Hyper-V Windows Server 2008 R2 Hyper-V	

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/svp.aspx?svppage=svpwizard.htm>

NOTES

1. The following are no longer supported with Microsoft Dynamics GP 2016:
 - a. Microsoft Office 2010 32bit & x64
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. 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.