Microsoft

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# Microsoft Dynamics GP

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# System Requirements for Microsoft Dynamics GP 2018

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This page lists the system requirements for Microsoft Dynamics GP 2018.

**On this page**

[Overview](#)

[Client Requirements](#)

[Server Recommendations: Customer Profile 1](#)

[Server Recommendations: Customer Profile 2](#)

[Server Recommendations: Customer Profile 3](#)

[Server Recommendations: Customer Profile 4](#)

[Remote Desktop Services Requirements](#)

[Additional Information](#)

[Support Information](#)

## 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

## Send a Question to the Community

Can't find a solution yourself? Send a question to the Community and receive answers from other customers, partners, MVP's, and Microsoft employees.

Post Forum Question

## Escalate your issue to an Incident

Existing Dynamics customers on an active support plan can use the appropriate phone number or web links to the left to create a new managed support incident for Dynamics 365 Online or on-premises.

## Recommended Articles

[System Requirements for Microsoft Dynamics GP 2016](#)
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[System Requirements for Microsoft Dynamics GP 2015](#)
System Requirements

[System Requirements for Microsoft Dynamics GP 2013](#)
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[Microsoft Dynamics Academic Alliance News: New Microsoft Dynamics GP 2013 Resources](#)
Training News

[Making Time for Training](#)

count, modules used and transaction volume for your environment. Use that Customer Profile as a recommendation for your server hardware implementation.

***The System Requirements are subject to change until the release of Microsoft Dynamics GP 2018***

Top

# 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 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 |
| **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** | Microsoft Office 2013 32bit & x64<br>Microsoft Office 2016 32bit & x64<br><br>NOTES:<br>1. If using Office x64, the server type in System Preferences (Microsoft Dynamics GP \| Tools \| System \| Setup \| System Preferences) must be set to Exchange.<br>2. The Exchange server type only supports XPS and DOCX.<br>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<br>Edge |
| **ODBC Driver** | SQL Native Client 11.0<br>SQL Native Client 10.0<br><br>\*\***NOTE:** A 32bit ODBC DSN is required for Microsoft Dynamics GP 2018\*\* |
| **Adobe** | Adobe X |
| **Virtual Environments Supported (Optional)** | Hardware Virtualization<br>Windows Server 2016 Hyper-V<br>Windows Server 2012 Hyper-V<br>Windows Server 2012 R2 Hyper-V<br><br>Software Virtualization<br>Microsoft Application Virtualization (App-V) 5.0<br><br>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.<br>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.

Top

# Server Recommendations: Customer Profile 1

| Item | Requirements | |
|---|---|---|
| **Customer Profile 1 Usage** | Use only Financial Series modules<br>Have between 0-5 concurrent users for Microsoft SQL Server or for  Microsoft SQL Server Express<br>Process fewer than 250 transactions per day<br>No web applications in use<br>Peer to Peer Environment | |
| | **32-bit** | **x64** |
| **Database Requirements** | Microsoft SQL Server 2016<br>-Enterprise, Standard or Express<br>Microsoft SQL Server 2014<br>-Enterprise, Standard or Express<br>**Supported Microsoft SQL Server Collation**<br>**1. Dictionary Order Case Insensitive - Sort Order 52**<br>In the SQL Server Management Studio, right- | Microsoft SQL Server 2016<br>-Enterprise, Standard or Express<br>Microsoft SQL Server 2014<br>-Enterprise, Standard or Express<br>**Supported Microsoft SQL Server Collation**<br>**1. Dictionary Order Case Insensitive - Sort Order 52**<br>In the SQL Server Management Studio, right |

click the SQL Server Name and click Properties: Server  Collation = SQL_Latin1_General_CP1_CI_AS

-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<br>Microsoft Windows Server 2012  Essentials Edition or Standard Edition<br>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** | 2 GB or more | 2 GB or more |
| **Network Card** | 1GB Ethernet | |
| **Virtual Environments Supported (Optional)** | Hardware Virtualization<br>Windows Server 2016 Hyper-V<br>Windows Server 2012 Hyper-V<br>Windows Server 2012 R2 Hyper-V<br><br>Software Virtualization<br>Microsoft Application Virtualization (App-V) 5.0<br><br>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.

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 Import very little data Dedicated server with Microsoft SQL Server only Recommend a dedicated server with Microsoft SQL Server Express only | |
| | **32-bit** | **x64** |
| **Database Requirements** | 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 = | 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 |

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

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<br>Microsoft Windows Server 2012 Essentials Edition or Standard Edition<br>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)<br>RAID 5 for SQL database log and data files (4 disks) | RAID 1 for operating system and applications (2 disks)<br>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 Environments Supported (Optional)** | Hardware Virtualization<br>Windows Server 2016 Hyper-V<br>Windows Server 2012 Hyper-V<br>Windows Server 2012 R2 Hyper-V<br><br>Software Virtualization<br>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 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** | Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard **Supported Microsoft SQL** | Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard **Supported Microsoft SQL** |

| | | |
|---|---|---|
| | **Server Collation**<br><br>**1. Dictionary Order Case Insensitive - Sort Order 52**<br>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS<br><br>**2. Binary - Sort Order 50**<br>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = Latin1_General_BIN | **Server Collation**<br><br>**1. Dictionary Order Case Insensitive - Sort Order 52**<br>In the SQL Server Management Studio, right-click the SQL Server Name and click Properties: Server Collation = SQL_Latin1_General_CP1_CI_AS<br><br>**2. Binary - Sort Order 50**<br>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<br>Microsoft Windows Server 2012 Standard or Datacenter Edition<br>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)<br>RAID 1 for SQL database log files (2 disks)<br>RAID 5 (4 disk minimum) or RAID 0+1 (8 disk  minimum) for SQL data files<br>RAID 1 for TempDB (2  disks) - optional, but recommended<br>RAID 0 for SQL backups | RAID 1 for operating system and applications (2 disks)<br>RAID 1 for SQL database log files (2 disks)<br>RAID 5 (4 disk minimum) or RAID 0+1 (8 disk minimum) for SQL data files<br>RAID 1 for TempDB (2 disks) - optional, but recommended<br>RAID 0 for SQL backups (full and log) (2 disks) |

(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<br><br>Windows Server 2016 Hyper-V<br>Windows Server 2012 Hyper-V<br>Windows Server 2012 R2 Hyper-V<br><br>Software Virtualization<br>Microsoft Application Virtualization (App-V) 5.0<br><br>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.<br>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.

Top

# Server Recommendations: Customer Profile 4

| Item | Requirements |
|---|---|
| **Customer Profile 4 Usage** | Use Financials Series and Distribution Series modules extensively<br>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 Requirements** | Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition **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 | Microsoft SQL Server 2016 -Enterprise or Standard Microsoft SQL Server 2014 Enterprise or Standard Edition **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 | **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 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 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.

Top

# 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.

Top

# 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.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.

Top

# 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)

Top

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Downloads

Office

TechNet

Learning

Skype

User Groups

Community

Surface

Marketplace

Products

Windows

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