



System Requirements

Microsoft Dynamics NAV 2018

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“The tablet and touch functionality has increased usability and has made it much easier to train people and get them using Dynamics NAV. Now, when one of our team members is out with a customer, they can give them real time information using the Tablet app. It is more personal, it is more interactive and you can share it – and hand it over to the customer. It is a much more collaborative experience.”

Gary Smith

Managing Director

Bounce Europe

System Requirements for Microsoft Dynamics NAV 2018

The following sections list the minimum hardware and software requirements to install and run Microsoft Dynamics NAV 2018. Minimum means that later versions (such as SP1, SP2, or R2 versions) of a required software product are also supported.

Client components

- Microsoft Dynamics NAV Windows Client Requirements.
- Microsoft Dynamics NAV Development Environment Requirements.
- Microsoft Dynamics NAV Web Client Requirements.
- Microsoft Dynamics NAV Tablet Client and Phone Client (in a Browser) Requirements.
- Microsoft Dynamics NAV Universal App Requirements.

Server components

- Microsoft Dynamics NAV Server Requirements.
- Microsoft Dynamics NAV Web Server Components Requirements.
- Microsoft Dynamics NAV Database Components for SQL Server Requirements.
- Microsoft Dynamics NAV Help Server Requirements.

Additional components and features

- Microsoft Dynamics NAV as an App for SharePoint Requirements.
- Automated Data Capture System Requirements.
- Microsoft Office Outlook Add-In Requirements.
- Microsoft Dynamics 365 / CRM Integration Requirements.
- Automated Deployment on Windows Azure Requirements.

Note:

Microsoft Dynamics NAV 2018 Setup installs some software if it is not already present in the target destination. For more information, see the "Additional Information" section for each component.

Microsoft Dynamics NAV 2018

Windows Client Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV 2018 Windows client.

Supported operating systems	<ul style="list-style-type: none"> Windows 10 Pro, Enterprise, or Education (32-bit and 64-bit). Important: Windows 10 S is not supported. Windows 8.1 Professional or Enterprise (32-bit and 64-bit). Windows Server 2016 Standard, Essentials, or Datacenter. Windows Server 2012 R2 Standard or Essentials (64-bit). Windows Server 2012 Standard or Essentials (64-bit). 	Editing in Excel using the Excel Add-in	<ul style="list-style-type: none"> Excel 2016. For more information, see Setting up the Excel Add-In for Editing Dynamics NAV Data.
Hardware resources	<ul style="list-style-type: none"> Hard disk space: 200MB. Memory: 1GB. 	OneNote integration	<ul style="list-style-type: none"> Microsoft Office 2016, Microsoft Office 2013 SP1, or Microsoft Office 2010 SP2.
Reports	<ul style="list-style-type: none"> For editing RDLC report layouts: <ul style="list-style-type: none"> Report Builder for SQL Server 2016 or Visual Studio 2017 with Microsoft Rdlc Report Designer for Visual Studio installed. For editing Word layouts: <ul style="list-style-type: none"> Microsoft Word 2013 or later 	Email logging	<ul style="list-style-type: none"> Active Directory and Microsoft Exchange Server 2010 or Microsoft Exchange Server 2013. Microsoft Exchange Online, or Exchange Online as part of an Office 365 subscription.
Instant messaging and Telephony API	<ul style="list-style-type: none"> Microsoft Lync 2013 or Microsoft Lync 2010. 	Additional software	<ul style="list-style-type: none"> Microsoft .NET Framework 4.7.
Outlook client integration and mail merge	<ul style="list-style-type: none"> Microsoft Office 365, Microsoft Office 2016, Microsoft Office 2013 Service Pack 1 (SP1), or Microsoft Office 2010 Service Pack 2 (SP2). 	Additional information	<ul style="list-style-type: none"> Dynamics NAV Setup installs the following software if it is not already present in the target computer: <ul style="list-style-type: none"> Microsoft .NET Framework 4.7¹. The Microsoft Dynamics NAV Windows client is available in a 32-bit version and 64-bit version. On a 32-bit Windows operating system, the 32-bit version is run. On a 64-bit Windows operating system, the 64-bit version is run by default; however, you can also run the 32-bit version if it is required. Dynamics NAV Setup can only install the Excel Add-in if Excel is present on the target computer. Outlook synchronisation is not supported on 64-bit versions of Office.
Import and export with Microsoft Excel and Office XML and SharePoint links	<ul style="list-style-type: none"> Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365. 		

¹ Microsoft have acknowledged reports that .NET Framework 4.7 can cause the Windows client environment to crash. In this case the solution is to uninstall .NET Framework 4.7.

Microsoft Dynamics NAV 2018 Development Environment Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV 2018 Development Environment.

Supported operating systems	<ul style="list-style-type: none"> Windows 10 Pro, Enterprise, or Education (32-bit and 64-bit). Windows 8.1 Professional or Enterprise (32-bit and 64-bit). Windows Server 2016 Standard, Essentials, or Datacenter. Windows Server 2012 R2 Standard or Essentials (64-bit). Windows Server 2012 Standard or Essentials (64-bit).
Hardware resources	<ul style="list-style-type: none"> Hard disk space: 200MB. Memory: 1GB.
Reports	<ul style="list-style-type: none"> For creating and editing RDLC report layouts: <ul style="list-style-type: none"> Report Builder for SQL Server 2016, or One of the following versions of Visual Studio: <ul style="list-style-type: none"> Visual Studio 2017 with Microsoft RDLC Report Designer for Visual Studio installed. Visual Studio 2015 Professional or Enterprise edition with SQL Server Data Tools installed. <p>Important: Before you install Visual Studio 2015, install Microsoft .NET Framework 4.7; otherwise, an error will occur when you compile or run RDLC reports. For more information, see Report error "Visual Basic Command Line Compiler has stopped working".</p> For upgrading reports: <ul style="list-style-type: none"> Report Builder for SQL Server 2016 For creating Word report layouts: <ul style="list-style-type: none"> Word 2013 or later

Additional software	<ul style="list-style-type: none"> Microsoft .NET Framework 4.7.
Additional Information	<ul style="list-style-type: none"> Dynamics NAV Setup installs the following software if it is not already present in the target computer: <ul style="list-style-type: none"> Microsoft .NET Framework 4.7. SQL Server Native Client 11.0. Report Builder for SQL Server 2016. This is not installed if a version of SQL Server Report Builder or Microsoft Visual Studio is already present on the target computer If the development environment and Microsoft Dynamics NAV Server are on the same computer, then only a 64-bit operating system is supported.

Microsoft Dynamics NAV 2018

Web Client Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV 2018 Web Client.

Supported internet browsers	<ul style="list-style-type: none"> • Microsoft Edge. • Internet Explorer 11. • Google Chrome 61.0 for Windows. • Mozilla Firefox 55.0 for Windows. • Safari 10.0 for macOS. <p>For a list of browser limitations, see Browser Limitations with the Microsoft Dynamics NAV 2018 Web Client.</p>
Business inbox in Outlook	<ul style="list-style-type: none"> • Microsoft Office 365.
Sending data to Excel	<ul style="list-style-type: none"> • Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365.
Editing in Excel using the Excel Add-in	<ul style="list-style-type: none"> • Excel 2016. <p>For more information, see Setting up the Excel Add-In for Editing Dynamics NAV Data.</p>
SharePoint Online links	<ul style="list-style-type: none"> • Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365.
Printing reports to Excel or Word	<ul style="list-style-type: none"> • Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365.
Additional information	<ul style="list-style-type: none"> • If you experience problems using the Microsoft Dynamics NAV Web client, you can try to turn off browser tools, such as translator tools that may run in the background.

Microsoft Dynamics NAV 2018

Tablet Client and Phone Client (in a Browser) Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV Tablet client and Microsoft Dynamics NAV Phone client running in a browser when used for development and testing purposes.

Server component	<ul style="list-style-type: none">• Identical to the Microsoft Dynamics NAV 2018 Web client.
Supported browsers	<ul style="list-style-type: none">• The following desktop browsers are supported:<ul style="list-style-type: none">• Microsoft Edge• Internet Explorer 11 (build 11.0.9600.17239) for Windows 10 and for Windows 8.1 (32-bit and 64-bit).• Google Chrome 61.0 for Windows.• Mozilla Firefox 55.0 for Windows.• Safari 10.0 for macOS.

Microsoft Dynamics NAV 2018

Universal App Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV Universal App. For the latest information, see [Dynamics NAV for Windows](#), [Dynamics NAV for iPad and iPhone](#), and [Dynamics NAV for Android tablet and Android phone](#).

Supported operating systems	<ul style="list-style-type: none"> • Windows 10 S, Home, Pro, Enterprise, or Education (32-bit and 64-bit editions). • Android 5.0 or higher (tablet and phone). • iOS 10.0 or higher (iPad and iPhone).
Additional hardware	<ul style="list-style-type: none"> • 1 GB RAM for Android and Windows.
Additional software	<ul style="list-style-type: none"> • A third-party telephony or VoIP app such as Skype or Lync is required for placing calls from Dynamics NAV. • A third-party email program such as Outlook is required for sending emails from Dynamics NAV. • Microsoft Office 2013 SP1 or Microsoft Office 365 is required for sending data to Microsoft Excel or to Microsoft Word.
Additional information	<ul style="list-style-type: none"> • Device diagonal screen size 7" for tablets. • Screen resolution 960 × 510 for tablets. • Device diagonal screen size 4" for phones. • Screen resolution 854 × 480 for phones.

Microsoft Dynamics NAV 2018

Server Requirements

The following table shows the minimum system requirements for the Microsoft Dynamics NAV 2018 Server.

Supported operating systems	<ul style="list-style-type: none"> • Windows 10 Pro, Enterprise, or Education (64-bit). • Windows 8.1 Professional or Enterprise (64-bit). • Windows Server 2016 Standard, Essentials, or Datacenter. • Windows Server 2012 R2 Standard or Essentials (64-bit). • Windows Server 2012 Standard or Essentials (64-bit).
Hardware resources	<ul style="list-style-type: none"> • Hard disk space: 500MB. • Memory: 2GB.
Microsoft Dynamics 365 for Sales integration	<ul style="list-style-type: none"> • Windows Identity Framework. <p>For a list of supported Microsoft Dynamics 365 for Sales versions, see Microsoft Dynamics 365 for Sales Integration Requirements.</p>
Microsoft Dynamics CRM integration	<ul style="list-style-type: none"> • Windows Identity Framework. <p>For a list of supported Microsoft Dynamics CRM versions, see Microsoft Dynamics CRM Integration Requirements.</p>
Additional software	<ul style="list-style-type: none"> • Microsoft .NET Framework 4.7. • Windows PowerShell 3.0.
Additional information	<ul style="list-style-type: none"> • Dynamics NAV Setup installs the following software if it is not already present on the target computer: <ul style="list-style-type: none"> • Microsoft .NET Framework 4.7. • Windows Identity Framework.

Microsoft Dynamics NAV 2018

Web Server Components Requirements

The following table shows the minimum system requirements for Microsoft Dynamics NAV 2018 Web Server Components.

Supported operating systems	<ul style="list-style-type: none"> Windows 10 Pro, Enterprise, or Education (64-bit). Windows 8.1 Professional or Enterprise (64-bit). Windows Server 2016 Standard, Essentials, or Datacenter. Windows Server 2012 R2 Standard or Essentials (64-bit). Windows Server 2012 Standard or Essentials (64-bit).
Web server	<ul style="list-style-type: none"> Internet Information Server 10, Internet Information Server 8.5, or Internet Information Server 8.0.
Reports	<ul style="list-style-type: none"> Microsoft Report Viewer 2015 to run reports that use RDLC report layouts.
Additional software	<ul style="list-style-type: none"> Microsoft .NET Framework 4.5.2. Windows PowerShell 3.0.

- Additional information**
- Dynamics NAV Setup installs the following software if it is not already present on the target computer.
 - Microsoft .NET Core 1.0 Windows Server Hosting. This is installed by Dynamics NAV Setup if not already present.
 - Microsoft .NET Framework 4.7.
 - Internet Information Server 10, Internet Information Server 8.5, or Internet Information Server 8.0, depending in the operating system, with the required features enabled.
 - For more information about installing IIS, see [How to: Install Internet Information Services for Microsoft Dynamics NAV Web Client](#).

Microsoft Dynamics NAV 2018 Database Components for SQL Server Requirements

The following table shows the minimum system requirements for Microsoft Dynamics NAV 2018 Database Components for SQL Server

- Supported operating systems**
- Windows 10 Pro, Enterprise, or Education (64-bit).
 - Windows 8.1 Professional or Enterprise (64-bit).
 - Windows Server 2016 Standard, Essentials, or Datacenter.
 - Windows Server 2012 R2 Standard or Essentials (64-bit).
 - Windows Server 2012 Standard or Essentials (64-bit).

- Hardware resources**
- For more information, see [Hardware and Software Requirements for Installing SQL Server 2016](#). From this page, you can also access requirements for other versions of SQL Server.

- SQL Server**
- Microsoft SQL Server 2016 Express, Standard or Enterprise.
 - Microsoft SQL Server 2014 Express, Standard or Enterprise.
 - Azure SQL Database V12 Standard and Premium service tiers.

For more information, see [Installation Considerations for Microsoft SQL Server](#).

- Service Packs and Cumulative Updates**
- Unless explicitly stated, all released Service Packs and Cumulative Updates of the above Microsoft SQL Server versions are supported. It is recommended to always be on the latest released Service Pack and Cumulative Update.

- Additional information**
- Dynamics NAV Setup installs the following software if it is not already present on the target computer:
 - SQL Server 2016 Express (64-bit).

Note: If the operating system on the target computer does not support SQL Server 2016 Express, Setup displays a pre-requisite warning. In this case you should exit Setup and then update the operating system on the computer to one that does support SQL Server 2016 Express. Then run Setup again.

Microsoft Dynamics NAV 2018 Help Server Requirements

The following table shows the minimum system requirements for Microsoft Dynamics NAV 2018 Help Server.

Supported operating systems	<ul style="list-style-type: none"> • Windows 10 Pro, Enterprise, or Education (64-bit). • Windows 8.1 Professional or Enterprise (64-bit). • Windows Server 2016 Standard, Essentials, or Datacenter. • Windows Server 2012. • Windows Server 2012 Essentials.
Hardware resource	<ul style="list-style-type: none"> • Hard disk space: 500MB. • Memory: 2GB.
Web server	<ul style="list-style-type: none"> • Internet Information Server 10, Internet Information Server 8.5, or Internet Information Server 8.0.
Additional software	<ul style="list-style-type: none"> • Microsoft .NET Framework 4.7.

- Additional information**
- Microsoft Dynamics NAV 2018 Setup installs the following software if it is not already present on the target computer.
 - Microsoft .NET Framework 4.7.
 - Internet Information Server 10, Internet Information Server 8.5, or Internet Information Server 8.0 depending on the operating system, with the required features enabled.
 - For more information about installing IIS, see [How to: Install Internet information Services \(IIS\) for Microsoft Dynamics NAV 2018 Web Client](#).
 - Windows Search must be enabled on the computer that you install the Microsoft Dynamics NAV Help Server on. If you install on Windows Server 2012, and Windows Search is not enabled as a file service, Microsoft Dynamics NAV 2018 Setup adds the service. However, the changes do not take effect until the computer has restarted.

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Automated Data Capture System Requirements

The following table shows the minimum system requirements for Automated Data Capture System (ADCS) for Microsoft Dynamics NAV 2018.

Additional software	<ul style="list-style-type: none">• MSXML version 6.0.• Telnet or Microsoft Windows HyperTerminal.• VT100 Plug-in for each computer on which you install ADCS.• Microsoft Loopback Adapter.
Additional information	<ul style="list-style-type: none">• HyperTerminal is no longer included with Windows. For more information, see What happened to HyperTerminal? in the Windows Help.• VT100 Plug-in acts as a virtual Telnet server.

Microsoft Dynamics NAV 2018

Business Inbox in Microsoft Outlook Requirements

The following table shows the minimum system requirements for using Microsoft Dynamics NAV 2018 as your business inbox in Outlook.

Supported Outlook Applications

- Outlook 2013 or later
- Outlook Web App
- OWA for iPad
- OWA for iPhone
- OWA for Android.

Supported Exchange Servers

- Exchange Online
- Exchange Server 2016
- Exchange Server 2013.
- In deployments that use Exchange Server, the Exchange PowerShell endpoint must be accessible by Microsoft Dynamics NAV Server.

Supported Authentication

- The Microsoft Dynamics NAV Server must be configured to run with NavUserPassword, ACS, or AAD Credentials Type.

Also, the Microsoft Dynamics NAV Web client must be configured for Secure Sockets Layer (SSL).

Supported Browsers

- When using the Outlook Web App (OWA), your computer must be running a supported browser listed in the Microsoft Dynamics NAV Web client Requirements.

Supported Authentication

- The Microsoft Dynamics NAV Server must be configured to run with NavUserPassword, ACS, or AAD Credentials Type.

Also, the Microsoft Dynamics NAV Web client must be configured for Secure Sockets Layer (SSL).

Supported Operating Systems

- When using OWA for iPad, OWA for iPhone, or OWA for Android, your mobile device must use a supported Operating System listed in Microsoft Dynamics NAV Universal App Requirements.

Microsoft Office Outlook

Add-in Requirements

The following table shows the minimum system requirements for the Dynamics NAV 2018 Add-In for Outlook for synchronisation with Outlook.

Supported Outlook Applications	<ul style="list-style-type: none">• Outlook 2016• Outlook 2013 SP1• Outlook 2010 SP2 (32-bit edition).
Supported Exchange Servers	<ul style="list-style-type: none">• Exchange Server 2016• Exchange Server 2013• Exchange Online.

Microsoft Dynamics 365 for Sales Integration Requirements

Integration Requirements

The following table shows the system requirements for integrating Dynamics NAV with Microsoft Dynamics 365 for Sales.

Microsoft Dynamics CRM versions	<ul style="list-style-type: none"> Microsoft Dynamics CRM 2015 or Microsoft Dynamics CRM 2016 Note: AD, IFD and Claims authentication types are supported for above editions. Microsoft Dynamics CRM Online 2015, Microsoft Dynamics CRM Online 2015 Update 1, or Microsoft Dynamics CRM Online 2016 Update 1 or Microsoft Dynamics 365 Note: Oauth and Office365 authentication types are supported for these editions. For more details on authentication types, see Connection strings in XRM tooling to connect to Dynamics 365.
Dynamics NAV Integration Solution (.zip)	<ul style="list-style-type: none"> For Dynamics CRM 2015, Dynamics CRM Online 2015, and Dynamics CRM Online 2015 Update 1: <ul style="list-style-type: none"> Use the DynamicsNAVIntegrationSolution.zip file that is found on the Dynamics NAV 2016 installation media (DVD) to install the solution. Item Availability is not supported on Dynamics CRM 2015, versions Update 1 and Online. For more information, see How to: Prepare Dynamics 365 for Sales for Integration.

Microsoft Dynamics NAV as an App for SharePoint Requirements

App Requirements

The following table shows the minimum system requirements for Dynamics NAV as an App for SharePoint.

Supported operating systems	<ul style="list-style-type: none"> • Windows Server 2016 Standard, Essentials, or Datacenter. • Windows Server 2012 R2 Standard or Datacenter (64-bit). • Windows Server 2012 Standard or Datacenter (64-bit).
Additional software	<ul style="list-style-type: none"> • SharePoint 2013 Service Pack 1. • SharePoint Online.

Automated Deployment on Microsoft Azure Requirements

Automated deployment of Dynamics NAV on Microsoft Azure by using the provisioning tools is only supported on Azure virtual machines that are running Windows Server 2012. For additional requirements for specific Dynamics NAV components, refer to the other sections in this topic.



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