



**SOFT4** Product Solution and  
Platform (Microsoft Dynamics NAV)  
**INFRASTRUCTURE AND TECHNICAL REQUIREMENTS**

## 1. System Requirements for Soft4 Software Products

The following sections list the hardware and software requirements in order to install and run SOFT4 product. Hardware resources defined under the following assumptions:

- 10-20 concurrent users deployment
- light integration activities traffic
- SQL server database size up to 50 GB (and additional 50 GB for certification environment database).

Always check the latest requirements on <https://docs.microsoft.com/en-gb/dynamics-nav/system-requirements-for-microsoft-dynamics-nav>

### 1.1. Windows Client

The table below indicates the recommended system requirements for the Windows client:

Requirement	Description/Parameter value
<b>CPU core number</b>	Core2, Celeron, Pentium (or better) x86 family CPU with 2 or more cores
<b>RAM</b>	2 GB or more
<b>HDD</b>	80 GB including OS, all required components and user files. Minimal requirements to install NAV client – 200 MB
<b>Operating system</b>	<ul style="list-style-type: none"> <li>• Windows 10 Pro, Enterprise, or Education (32-bit and 64-bit editions).</li> <li>• Windows 8.1 Professional or Enterprise (32-bit and 64-bit editions).</li> <li>• Windows Server 2016 Standard, Essentials, or Datacenter.</li> <li>• Windows Server 2012 R2 Standard or Essentials (64-bit edition).</li> <li>• Windows Server 2012 Standard or Essentials (64-bit edition).</li> </ul>
<b>Additional software</b>	<ul style="list-style-type: none"> <li>• Microsoft .NET Framework 4.5.2 Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer.</li> <li>• Microsoft Lync 2013 or Microsoft Lync 2010 is required for instant messaging and Telephony API (TAPI).</li> <li>• Microsoft Office 365, Microsoft Office 2016, Microsoft Office 2013 SP1 or Microsoft Office 2010 SP2 is required for Outlook client integration and mail merge. <b>Outlook synchronization is not supported on 64-bit versions of Office.</b> Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365 is also required for budget import and export to and from Microsoft Excel and Office XML, and SharePoint links. <b>Editing in Excel is possible with Excel 2016 only.</b></li> </ul>

	<ul style="list-style-type: none"> <li>• Microsoft Office 2016, Microsoft Office 2013 SP1 or Microsoft Office 2010 SP2 is required for OneNote integration. However, OneNote integration is not supported for 64-bit editions of Microsoft Office 2010 running on Windows Server 2008.</li> <li>• Active Directory and Microsoft Exchange Server 2010, Microsoft Exchange Server 2013 or Microsoft Exchange Online are required for e-mail logging.</li> <li>• Microsoft Report Viewer 2015 is required for running reports in the Microsoft Dynamics NAV Windows client or on Microsoft Dynamics NAV Server. Microsoft Dynamics NAV Setup installs this software if it is not already installed on the target computer.</li> </ul>
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### 1.2. Web Client

The table below indicates the recommended system requirements for the Web client:

Requirement	Description/Parameter value
<b>Supported browsers</b>	<ul style="list-style-type: none"> <li>• Microsoft Edge</li> <li>• Internet Explorer 11</li> <li>• Google Chrome 53.0 for Windows</li> <li>• Mozilla Firefox 49.0 for Windows</li> <li>• Safari 9.0 and 10.0 on OSX</li> </ul> <p>Older versions are supported with limitations</p>
<b>Additional software</b>	<ul style="list-style-type: none"> <li>• Microsoft Office 2016, Microsoft Office 2013 SP1, Microsoft Office 2010 SP2, or Microsoft Office 365 is required for sending data to Microsoft Excel and SharePoint Online links. Also and printing reports to Excel or Word. <b>Editing in Excel is possible with Excel 2016 only.</b></li> </ul>

Web client does not need to install any Soft4Leasing components on devices that users will use to access Soft4Leasing data. By default port 8080 is used to expose Soft4Leasing functions to a client.

### 1.3. MS SQL Server

The table below indicates the recommended system requirements for the SQL Server:

Requirement	Description/Parameter value
<b>CPU core number</b>	4 core Xeon 2 Ghz CPU or better.
<b>RAM</b>	16 GB (15 - 20 % of database size)
<b>Data Storage (HDD, SSD – SAS)</b>	<b>Option 1 (recommended):</b> 4 SATA/SAS SSDs – RAID 10. 300 GB for OS (about 70 GB), SQL server data and log files (depends on database size and estimated growth).

	<p><b>Option 2:</b>              8-10 HDD SAS 15K RPM              C: for OS, SQL Server installation and for TempDb storage. 70Gb or more in RAID 1 configuration              D: for database files. 100Gb - RAID 10 (depends on database size and estimated growth)              E: for SQL log files. 100Gb - RAID 10 or RAID 1 (depends on database size and estimated growth)</p>
<b>Operating system</b>	<ul style="list-style-type: none"> <li>Windows Server 2016 Standard, Essentials, or Datacenter.</li> <li>Windows Server 2012 R2 Standard or Essentials (64-bit edition).</li> <li>Windows Server 2012 Standard or Essentials (64-bit edition).</li> </ul> <p>Please evaluate RAM limitations when choosing Windows Server version</p>
<b>Additional software</b>	<p>One of SQL Server versions:</p> <ul style="list-style-type: none"> <li>Microsoft SQL Server 2016 Express, Standard or Enterprise</li> <li>Microsoft SQL Server 2014 Express, Standard or Enterprise.</li> <li>Microsoft SQL Server 2012 SP2 Express, Standard, or Enterprise (64-bit editions only).</li> <li>Azure SQL Database V12 Standard and Premium service tiers</li> </ul>

#### 1.4. Microsoft Dynamics NAV server

The table below indicates the recommended system requirements for the Microsoft Dynamics NAV Server:

Requirement	Description/Parameter value
<b>CPU core number</b>	4 core Xeon 2.66 Ghz CPU or better
<b>RAM</b>	12 GB (one service usually handles up to 40 users)
<b>HDD</b>	80 GB RAID 1
<b>Operating system</b>	<p>Microsoft Dynamics NAV Server only runs on 64-bit editions of the following versions of Windows:</p> <ul style="list-style-type: none"> <li>Windows 10 Pro, Enterprise, or Education (32-bit and 64-bit editions).</li> <li>Windows 8.1 Professional or Enterprise (32-bit and 64-bit editions).</li> <li>Windows Server 2016 Standard, Essentials, or Datacenter.</li> <li>Windows Server 2012 R2 Standard or Essentials (64-bit edition).</li> <li>Windows Server 2012 Standard or Essentials (64-bit edition).</li> </ul>
<b>Additional software</b>	<ul style="list-style-type: none"> <li>Microsoft .NET Framework 4.5.2 Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer</li> <li>Windows PowerShell 3.0. For other supported operating systems, see Windows Management Framework 3.0 on the Microsoft Download Center.</li> </ul>

	<ul style="list-style-type: none"> <li>Microsoft Report Viewer 2015 is required for Save as Excel or Save as PDF functionality. Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer</li> </ul>
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### 1.5. Microsoft Dynamics NAV Web Client Server

The table below indicates the recommended system requirements for the Microsoft Dynamics NAV Web Client Server:

<i>Requirement name</i>	<b>Description/Parameter value</b>
<b>Server hardware resources</b>	The same as required for IIS 10. You can use Microsoft Dynamics NAV server specifications as well.
<b>Operating system</b>	Only 64-bit editions are supported: <ul style="list-style-type: none"> <li>Windows 10 Pro, Enterprise, or Education</li> <li>Windows 8.1 Professional or Enterprise</li> <li>Windows Server 2016 Standard, Essentials, or Datacenter.</li> <li>Windows Server 2012 R2 Standard or Essentials</li> <li>Windows Server 2012 Standard or Essentials</li> </ul>
<b>Additional software</b>	<ul style="list-style-type: none"> <li>Microsoft .NET Framework 4.5. Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer.</li> <li>Windows PowerShell 3.0</li> <li>Microsoft Report Viewer 2015 to run reports. Microsoft Dynamics NAV 2015 Setup installs this software if it is not already present on the target computer.</li> <li>Internet Information Server 10, Internet Information Server 8.5, Internet Information Server 8.0, or Internet Information Server 7.5. Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer. The following features must be enabled:               <ul style="list-style-type: none"> <li>NET Extensibility 4.5.2</li> <li>ASP .NET 4.5.2</li> <li>ISAPI Extensions</li> <li>ISAPI Filters</li> <li>Request Filtering</li> <li>Windows Authentication</li> <li>Static Content</li> <li>HTTP Activation</li> </ul> </li> </ul>

### 1.6. Microsoft Dynamics NAV Help Server

The table below indicates the recommended system requirements for the Microsoft Dynamics NAV Help Server:

Requirement	Description/Parameter value
<b>Server hardware resources</b>	The same as required for IIS 10. You can use Microsoft Dynamics NAV server specifications as well.
<b>Operating system</b>	<ul style="list-style-type: none"> <li>• Windows 10 Pro, Enterprise, or Education (64-bit editions)</li> <li>• Windows 8.1 Professional or Enterprise (64-bit editions)</li> <li>• Windows Server 2016 Standard, Essentials, or Datacenter.</li> <li>• Windows Server 2012 R2 Standard or Essentials.</li> </ul>
<b>Additional software</b>	<p>Microsoft .NET Framework 4.5.2 Microsoft Dynamics NAV 2017 Setup installs this software if it is not already present on the target computer. Windows Search must be enabled on the computer that you install the Microsoft</p> <p>Internet Information Server 7.0 on Windows 7 and Windows Server 2008 R2, or Internet Information Server 8.0 on Windows 8 and Windows Server 2012. The following features must be enabled:</p> <ul style="list-style-type: none"> <li>○ NET Extensibility 4.5.2</li> <li>○ ASP .NET 4.5</li> <li>○ ISAPI Extensions</li> <li>○ ISAPI Filters</li> <li>○ Request Filtering</li> <li>○ Windows Authentication</li> <li>○ Static Content</li> <li>○ HTTP Activation</li> </ul>