

Needles 5.x System Requirements

(for current build)

SERVER HARDWARE AND OPERATING SYSTEM		
Operating System	Recommended	Windows Server 2019 Windows Server 2016
	Minimum	Windows Server 2012 R2
	Other	Peer to Peer Server: Needles can be hosted on a Windows 10 or Windows 8.1 NOTE: If that workstation will be used for running other programs as well, the recommended maximum number of users for Needles is 5 or fewer.
Additional Components	.NET 4.7.2 or higher is installed Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) installed on 32-bit computers. Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) and (x64) installed on 64-bit computers.	
Processor	Recommended	Quad Core Intel Xeon 2.4 GHz (or faster)
	Minimum	Intel Pentium Dual-Core 2.66 GHz or 100% compatible
Memory	Recommended	32 GB RAM or more
	Minimum	16 GB RAM
Disk Space	SQL and Needles Program Files: 10 GB Needles Database: Approx. 250MB (plus an additional 200MB per 100 cases) Additional space required for case related documents, forms, etc.	
Network	Minimum	Gigabit Ethernet (1000Mbps)

WORKSTATION HARDWARE AND OPERATING SYSTEM		
Operating System	Recommended	Windows 10 Windows 8.1
	Other	Windows Server 2016 Windows Server 2012 R2
Additional Components	.NET 4.7.2 or higher is installed Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) installed on 32-bit computers. Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) and (x64) installed on 64-bit computers.	
Processor	Recommended	Intel Core i5 2.4 GHz (or faster)
	Minimum	Intel Pentium D 2.6 GHz or 100% compatible
Memory	Recommended	16 GB RAM or more
	Minimum	8 GB RAM
Disk Space	Needles Program Files: Approx. 400 MB	
Display Adapter	Recommended	GPU with 120 MB VRAM (or more) for Terminal Server or Citrix Deployments, DirectX 11 (or later)
	Minimum	Integrated graphics card
Display Resolution	Recommended	1920 x 1080 or higher with Text Scaling = 150% or less 1600 x 1200 or higher with Text Scaling = 125% or less
	Minimum	1280 x 1024 with Text Scaling = 100%
Network	Recommended	Gigabit Ethernet (1000Mbps)
	Minimum	Fast Ethernet (100 Mbps)
	If using Wireless – should be: 802.11n or faster <i>Any interruption to the wireless network will disconnect the current Needles session.</i>	

REMOTE ACCESS

Remote Desktop Services (Terminal Services) is recommended for remote access.
 Requirements: Follow the Recommended settings under server hardware requirements.
 Memory: Add an additional 1 GB RAM (or more) per user.
 Display Adapter: Use graphics virtualization such as Remote FX vGPU or Discrete Device Assignment (DDA).

Published Application
 Needles is not directly supported as a published application. However, Needles can be run successfully as a published application provided the other integrating applications such as Microsoft Word/Outlook are also run as published applications from the same Remote Desktop Services session. Support for Needles in such a configuration is limited to ensuring Needles functionality within the remote desktop/published desktop environment.

VPN
 Needles can be run over a VPN. However performance is often inadequate due to latency and bandwidth restrictions. Due to variable Needles usage and integrations, there are no statistics for the amount of bandwidth that Needles requires.

BACKUP AND ADDITIONAL RECOMMENDATIONS

Backup	Microsoft SQL Server can perform regular backups on a routine schedule.
Additional Recommendations	UPS Power Supply (Battery Backup) for server and other critical hardware devices. Network Firewall and Anti-Virus solutions.

DATABASE MANAGEMENT SYSTEM

Microsoft SQL Server

What is Microsoft SQL Server?

Microsoft SQL Server is a relational database management system that will be replacing Sybase as the new platform for Needles 5. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications (in this case Needles).

What are the benefits of Microsoft SQL Server?

There are many benefits that Needles customers will experience using the new MS SQL Server platform, including:

- Improved performance
- Improved reliability
- Fully exposed API
- Ability to have failover for large firms
- Configure scheduled back ups
- Server Installation Only (not on individual workstations)
- Easy Replication for large firms

What type of Microsoft SQL Server do I need?

There are two versions of MS SQL Server, one is a paid licensed Standard version, and the other is a free version called MS SQL Express. The minimum compatible version of MS SQL is 2017. It is very easy to switch from the MS SQL Express version to the Standard version.

Who can use MS SQL Express?

- Under 75 users (usually smaller firms)
- Firms with databases less than 10 GB
- Need to have 1 GB RAM available for MS SQL
- Minimum version is 2017

Who will need to purchase the Standard version?

- Over 75 users (usually larger firms)
- Firms with databases larger than 10 GB
- Should have 16-32 GB of free RAM on their server
- Unlimited number of users if purchasing the 2-Core edition
- Recommend MS SQL Server 2017 Standard 2-Core

How can I obtain Microsoft SQL Server?

All firms are required to install Microsoft SQL Server Express or SQL Server Standard prior to the Needles 5 install.

Both SQL Express and a 180-day free trial of SQL Standard are available from:

(https://www.microsoft.com/en-us/sql-server/sql-server-downloads?&OCID=AID739534_SEM_rnF7mduP&MarinID=srnF7mduP_340829462760_sql%20download_e_c_68045082145_kwd-2005353042).

Microsoft SQL Server is available for purchase and download from Microsoft and other vendors, including discount resellers such as Royal Discount:

(<https://www.royaldiscount.com/microsoft-sql-server-2017-standard-2-core-open-business-7nq-01158.html>).

SUPPORTED INTEGRATIONS AND FUNCTIONALITY	
<p>This list contains specific information regarding the exact versions of the compatible programs that have been tested and proven to work successfully with the Needles program. DO NOT attempt to use an unlisted version of a compatible software program. Any questions regarding version compatibility should be directed to Needles Technical Support at support@needles.com. Please check for a newer version of this document for the most up to date information. Needles does not integrate with the "online", "live", or "web-based" versions of the listed programs.</p>	
Accounting	QuickBooks® 2019, 2018, 2017, 2016
Calendar	<p>Microsoft® Outlook 2019, 2016, 2013 SP1</p> <p>Although Needles includes a built-in calendar, the Outlook calendar can be made easily accessible through Needles for firms that wish to use the Outlook calendar instead.</p>
Custom Reporting	<p>Needles includes a built-in custom report writer.</p> <p>Report writing services are also available. Contact Needles for more information.</p>
Document Assembly	<p>Adobe® Acrobat® 2017, DC, XI, X</p> <p>Corel® WordPerfect® X9, X8, X7, X6, X5 (latest Service Pack for the version of WordPerfect installed is required)</p> <p>Microsoft® Word 2019, 2016, 2013 SP1</p> <p>Office 365</p>
<p>Acrobat Professional or Standard is required to create the actual form template file. Acrobat Reader can be used to merge and save data into any fillable PDF form that wasn't created by Adobe LiveCycle Designer.</p> <p>Note: For PDF merging, Needles creates an FDF (Forms Data Format) file that will merge into the PDF template. While Adobe products are recommended, you may wish to consider using other PDF programs such as those from Foxit or Nitro PDF. In order to create and merge to a PDF template, the program selected must be able to create text fields and merge data from FDF files into those text fields.</p>	
Document Management	Needles includes a built-in document manager for firms that do not wish to use a 3rd-party document management program.

<p>E-mail</p>	<p>Outlook Add-In (Requirements): Desktop version of Microsoft® Outlook 2016 or 2013 SP1 (Windows Store App installation not yet supported) Email account must reside on Exchange 2013 or later (on-premise, Exchange online, or Office 365). Internet Explorer 11 or later (does not need to be the default browser)</p> <p>IMAP/SMTP – E-mail can be managed within Needles by connecting to your Email service with IMAP/SMTP settings.</p>
<p>Intake Management</p>	<p>Import Intakes from a File (intake information in CSV format can be imported into Needles) or via API</p>
<p>iManage</p>	<p>IManage Work Server v. 9.3 & 10</p>
<p>Worldox™</p>	<p>Document Management</p>
<p>Filecenter</p>	<p>Document Management</p>
<p>ODBC</p>	<p>ODBC Read-Compliant</p>
<p>Scanning</p>	<p><i>Scans can be initiated through Needles (provided Needles isn't set to use a Document Management program)</i> Requires: TWAIN compliant driver installed for the scanner.</p>
<p>Telephony</p>	<p><i>Calls can be initiated from within Needles through a TAPI or CallTo: command.</i> TAPI - TAPI driver must be installed and configured correctly on each computer. CallTo: - This sends the command formatted for an Internet Dialer such as Skype™</p>
<p>Time and Billing</p>	<p>Needles includes built-in time tracking for firms that do not wish to track time in a 3rd-party time tracking program</p>

Needles Integrations and features which are <u>not yet</u> available in Needles 5.	Previous Needles functions which are no longer available in Needles 5
<p>eDrawer Juris® PCLaw™ Sage 50 Timeslips</p> <p>Cost Recovery - Scheduled export files from the Needles database that can be imported into cost recovery programs to update their list of accounts.</p> <p>API access for 3rd party programming/integrations</p>	<p>MAPI E-mail integration Outlook Contact Sync Outlook Task Sync Replication Web Status Export Juris PCLaw MediConnect (Verscend)</p>