

## Needles 5.0 System Requirements

(for current build: 5.0.0.40948)

SERVER HARDWARE AND OPERATING SYSTEM		
<b>Operating System</b>	<b>Recommended</b>	Windows Server 2016 Windows Server 2012 or 2012 R2 Windows Small Business Server 2011 Windows Server 2008 SP2 or R2 SP1
	<b>Other</b>	Peer to Peer Server: Needles can be hosted on a Windows 10, Windows 8.1, or Windows 7 SP1 Workstation 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.
<b>Required Components</b>	.NET 4.5 or higher required Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) required for 32-bit computers. Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) and (x64) required for 64-bit computers.	
<b>Processor</b>	<b>Recommended</b>	Quad Core Intel Xeon 2.4 GHz (or faster)
	<b>Minimum</b>	Intel Pentium Dual-Core 2.66 GHz or 100% compatible
<b>Memory</b>	<b>Recommended</b>	8 GB RAM or more
	<b>Minimum</b>	6 GB RAM
<b>Disk Space</b>	Sybase Program Files: Approx. 400 MB Needles Program Files: Approx. 400 MB Needles Database: Approx. 25 MB (plus an additional 5 MB per 100 cases) Additional space required for case related documents, forms, etc.	
<b>Display Adapter</b>	<b>Recommended</b>	GPU with 120 MB VRAM (or more), DirectX 11 (or later)
	<b>Minimum</b>	GPU with 8 MB VRAM, DirectX 9
<b>Display Resolution</b>	<b>Recommended</b>	1920 x 1080 or higher with Text Scaling = 150% or less 1600 x 1200 or higher with Text Scaling = 125% or less
	<b>Minimum</b>	1280 x 1024 with Text Scaling = 100%
<b>Network</b>	<b>Recommended</b>	Gigabit Ethernet (1000Mbps)
	<b>Minimum</b>	Fast Ethernet (100 Mbps)

WORKSTATION HARDWARE AND OPERATING SYSTEM		
<b>Operating System</b>	Recommended	Windows 10 Windows 8.1 Windows 7 SP1
	Other	Windows Server 2016 Windows Server 2012 or 2012 R2 Windows Small Business Server 2011 Windows Server 2008 SP2 or 2008 R2 SP1
<b>Required Components</b>	.NET 4.5 or higher required Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) required for 32-bit computers. Microsoft Visual C++ 2015 (or higher) Redistributable Package (x86) and (x64) required for 64-bit computers.	
<b>Processor</b>	Recommended	Intel Core i5 2.4 GHz (or faster)
	Minimum	Intel Pentium D 2.6 GHz or 100% compatible
<b>Memory</b>	Recommended	8 GB RAM or more
	Minimum	4 GB RAM
<b>Disk Space</b>	Sybase Program Files: Approx. 300 MB Needles Program Files: Approx. 400 MB	
<b>Display Adapter</b>	Recommended	GPU with 120 MB VRAM (or more), DirectX 11 (or later)
	Minimum	GPU with 8 MB VRAM, DirectX 9
<b>Display Resolution</b>	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%
<b>Network</b>	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**

<b>Backup</b>	Needles includes a utility to backup the open database files and truncate the .log file. Network or cloud-based backup software must also be used to store the backed-up files in an off-site or cloud location.
<b>Additional Recommendations</b>	UPS Power Supply (Battery Backup) for server and other critical hardware devices. Network Firewall and Anti-Virus solutions.

**DATABASE MANAGEMENT SYSTEM**

Needles uses SAP Sybase SQL Anywhere as its database engine. See the chart below for compatible versions.

**New and Prospective Needles Clients**

Purchase of the appropriate number of licenses for the most current version of SAP Sybase SQL Anywhere that is supported with Needles is typically added to the sales agreement with your Needles software purchase (unless otherwise indicated).

**Existing Needles Clients**

You can check the version and build of Sybase that is running on your server and each computer from within Needles by clicking on: **Help > About Needles > Version Info** and then sorting by the **Last Login** column to display the most recent logins\*.

If you would like to patch your version of Sybase to the latest build, patches can be downloaded from this link: <http://www.needles.com/sybase-patches> (login required).

In order to apply any of these patches, the corresponding version of Sybase must already be installed.

\* Note: After applying a patch to Sybase or Needles, the information in the **Version Info** window in Needles gets updated the next time someone logs into Needles from that workstation.

If you would like to upgrade to the latest version of Sybase SQL Anywhere (version 16) which is supported by Needles, please contact Needles at 410-363-1976 for special upgrade pricing.

<b>SYBASE VERSION</b>	<b>MINIMUM BUILD REQUIRED</b>	<b>CURRENT BUILD</b> <i>(as of 12/17/2015)</i>	<b>SYBASE SUPPORT END-OF-LIFE DATE</b> <i>(NO NEW PATCHES RELEASED BY SAP)</i>
16.0.0	16.0.0.1915	16.0.0.1915	CURRENTLY SUPPORTED
12.0.1	12.0.1.4436	12.0.1.4436	12/31/2016

**SUPPORTED INTEGRATIONS AND FUNCTIONALITY**

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](mailto: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.

<b>Accounting</b>	QuickBooks® 2018, 2017, 2016 (Export File Integration)
<b>Calendar</b>	Microsoft® Outlook 2016, 2013 SP1  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.
<b>Custom Reporting</b>	Needles includes a built-in custom report writer. Report writing services are also available. Contact Needles for more information.
<b>Document Assembly</b>	Adobe® Acrobat® 2017, DC, XI, X Corel® WordPerfect® X9, X8, X7, X6, X5 (latest Service Pack for the version of WordPerfect installed is required) Microsoft® Word 2016, 2013 SP1
<p>Acrobat Professional or Standard is required to <b>create</b> 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><b>Note:</b> 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 <b>text fields</b> and merge data from FDF files into those text fields.</p>	
<b>Document Management</b>	Needles includes a built-in document manager for firms that do not wish to use a 3rd-party document management program.
<b>E-mail</b>	<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>

<b>Intake Management</b>	Import Intakes from a File (intake information in CSV format can be imported into Needles)
<b>Scanning</b>	<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.
<b>Telephony</b>	<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™
<b>Time and Billing</b>	Needles includes built-in time tracking for firms that do not wish to track time in a 3rd-party time tracking program

Needles Integrations and features which are <u>not yet</u> available in Needles 5.0.	Third-Party Integrations which are <u>not yet</u> available for Needles 5.0
<p>eDrawer FileCenter (Lucion™ Technologies) Juris® MediConnect (Verscend) Needles App Outlook Calendar Sync PCLaw™ QuickBooks® (SDK Integration) Sage 50 Timeslips Worldox™</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>ODBC Access to the database for 3rd party queries/reporting</p> <p>API access for 3<sup>rd</sup> party programming/integrations</p>	<p>There are no third-party integrations available yet for Needles 5.0. This includes (but is not limited to) the following:</p> <p>Analytics for Lawyers Automated Records Collection (Legal Monkeys) Captorra CasePulse Client Connect (Legal Monkeys) docSTAR™ iManage Law Ruler</p>
	<p><b>Previous Needles functions which are no longer available in Needles 5.0</b></p>
	<p>MAPI E-mail integration Outlook Contact Sync Outlook Task Sync Replication Web Status Export</p>