Hardware and Operating System Guidelines

Based on Cornerstone* 9.1 requirements and the typical suite of other applications that a practice’s hardware needs to support, IDEXX recommends that your system meet or exceed the specifications in this document. More resources may be necessary depending on any additional software and/or services installed on your computers. Contact your IT consultant to determine whether your system meets these requirements or whether additional resources are needed.

Cornerstone* version 9.1

Supported operating systems

- Windows* Server 2016 (Standard and Datacenter)
- Windows* Server 2012 and 2012 R2 (Standard and Datacenter)
- Windows* Server 2008 R2 (Standard and Datacenter)
- Windows* 10 (Professional and Enterprise)
- Windows* 8/8.1 (Professional and Enterprise)
- Windows* 7 (Professional and Enterprise)

Recommended configuration for optimal experience

<table>
<thead>
<tr>
<th>Hardware type</th>
<th>OS</th>
<th>Processor</th>
<th>Hard drive</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dedicated server</td>
<td>Windows Server 2016</td>
<td>Intel* Xeon</td>
<td>500 GB(^c)</td>
<td>16 GB(^d) or more +1 GB per thin client</td>
</tr>
<tr>
<td>Peer-to-peer(^a) server</td>
<td>Windows 10 Professional</td>
<td>Intel* Core(^b)</td>
<td>500 GB(^c)</td>
<td>16 GB(^d)</td>
</tr>
<tr>
<td>Thick-client workstation</td>
<td>Windows 10 Professional</td>
<td>Intel Core(^b)</td>
<td>500 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Thin-client workstation</td>
<td>Windows 10 IoT</td>
<td>Windows 10</td>
<td>Minimum supported by operating system</td>
<td></td>
</tr>
</tbody>
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Cornerstone* versions 8.5 NEXT – 8.7 NEXT

Supported operating systems

- Windows Server 2016 (Standard and Datacenter)
- Windows Server 2012 and 2012 R2 (Standard and Datacenter)
- Windows Server 2008 R2 (Standard and Datacenter)
- Windows 10 (Professional and Enterprise)
- Windows 8/8.1 (Professional and Enterprise)
- Windows 7 (Professional and Enterprise)

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a. For a peer-to-peer network, IDEXX recommends no more than nine thick-client workstations.
c. Servers that store digital images will require more hard drive and backup space.
d. For servers, Cornerstone version 9.1 has been tested successfully on a server with 8 GB of memory, but 16 GB or more improves database performance. Performance depends on server load. For an optimal experience, follow the recommended configuration.
Microsoft End of Support Life notifications

End of Support Life refers to the date when Microsoft* no longer provides security updates or online technical assistance. Without security updates your computer system will be more susceptible to harmful viruses and other malicious software. Also, using an unsupported operating system is not Payment Card Industry (PCI) compliant.

IMPORTANT: Cornerstone does not support Windows operating systems that have reached Microsoft End of Support Life. Cornerstone recommends upgrading systems that have reached Microsoft End of Support Life because of potential compatibility concerns and certain security risks. It is always best to confirm the compatibility of your software before any operating system upgrade. Call your IDEXX representative at 1-800-283-8386 for information on transitioning to a newer operating system. Be mindful of the dates below and ensure that you are using a supported operating system to better protect your computer system and, in turn, your business and customers.

Current End of Support Life notifications


Upcoming End of Support Life notifications

On January 14, 2020, Windows* 7, Windows* Server 2008, and Windows Server* 2008 R2 will reach the Microsoft End of Support Life. IMPORTANT: For IDEXX digital imaging users, the image-capture computer must stay on Windows 7 until further notice.

General recommendations

Business-class computers, printers, and peripherals
Cornerstone recommends you use business-class computers, printers, and peripherals to ensure the best performance, reliability, and warranty. Business-class devices are available from manufacturers like Dell* and include components, configuration options, and a warranty designed to meet the needs of a demanding business environment.

Gigabit-speed, wired networks
Cornerstone recommends you use computers and switches capable of gigabit speed with a wired connection. Gigabit network speeds require CAT5e or better cabling. A wired connection will always provide a faster and more stable Cornerstone experience. A wireless connection should be used only for mobile computers.

Firewall and antivirus (malware) protection
Cornerstone recommends the use of a hardware firewall and the Trend Micro* Worry-Free* Business Security Services antivirus solution, which includes a software firewall. Cornerstone supports only configuration of the Trend Micro software firewall for proper operation of Cornerstone products and services. For general firewall configuration details specific to Cornerstone, see the Firewall Configuration Guide. (To find the Firewall Configuration Guide on idexx.com, search for Cornerstone Resources, and then locate the guide under "Hardware & computer systems.")

For more information, call your IDEXX representative at 1-800-283-8386.

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