

Hardware and Operating System Guidelines

For optimum performance of your Cornerstone* Software, ensure your system meets or exceeds the specifications in this document. These specifications and recommendations may differ depending on your system configuration and whether additional software or services are installed on your computers.

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 stable experience

Hardware type	OS	Processor	Hard drive	Memory
Dedicated server	Windows Server 2016	Intel* Xeon	500 GB ^c	16 GB +1 GB per thin client
Peer-to-peer^a server	Windows 10 Professional	Intel* Core ^b	500 GB ^c	16 GB
Thick-client workstation	Windows 10 Professional	Intel Core ^b	500 GB	8 GB
Thin-client workstation	Windows 10 IoT Windows 10	Minimum supported by operating system		

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)

Recommended configuration for stable experience

Hardware type	OS	Processor	Hard drive	Memory
Dedicated server	Windows Server 2016	Intel Xeon	500 GB ^c	8 GB +1 GB per thin client
Peer-to-peer^a server or thick-client workstation	Windows 10 Professional	Intel Core ^b	500 GB ^c	8 GB
Thin-client workstation	Windows 10 IoT Windows 10	Minimum supported by operating system		

a. For a peer-to-peer network, IDEXX recommends no more than nine thick-client workstations.

b. Excludes Intel* Celeron*, Intel* Pentium*, and Intel* Atom* processors.

c. Servers that store digital images will require more hard drive and backup space.

Microsoft End of Support Life notifications†

Windows* XP, Windows* XP Embedded, Windows Server* 2003, Windows Vista* and Windows* Embedded Standard 2009 have all reached their Microsoft End of Support Life. IDEXX does not support Windows operating systems that have reached Microsoft End of Support Life.

Upcoming Microsoft 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. IDEXX does not support Windows operating systems that have reached Microsoft End of Support Life.

Call your IDEXX representative at 1-800-283-8386 for information on transitioning to a newer operating system.

†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 note that using an unsupported operating system is not Payment Card Industry (PCI) compliant. Be mindful of these dates and ensure that you are using a supported operating system to better protect your computer system and, in turn, your business and customers.

General recommendations

Business-class computers, printers, and peripherals

IDEXX 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

IDEXX 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

IDEXX recommends the use of a hardware firewall and the Trend Micro* Worry-Free* Business Security Services antivirus solution, which includes a software firewall. IDEXX supports only configuration of the Trend Micro software firewall for proper operation of IDEXX 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**.