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## Ansys Computing Platform Support: July 2022 (revision 1)

Ansys is committed to providing timely releases of high-quality software products on current computing platforms that are well-suited for engineering simulations. We monitor industry trends and customer needs to select the most effective computing platforms to certify and support, periodically eliminating support for aging platforms and adding support for new platforms. This document provides a high-level summary of our current platform support strategy and near-term plans.

See [ansys.com](http://ansys.com)> Customer Center> Support> More Support> Platform Support (<https://www.ansys.com/it-solutions/platform-support>) for the most recent version of this document.

### **Ansys General Platform Support Strategy**

- We focus on support of Windows and Linux operating systems, running on x64 processors from Intel and AMD. These are the dominant platforms for engineering simulation today.
- We support Enterprise editions of Linux from Red Hat and SUSE. Enterprise Linux versions are chosen because they provide long-term operating system stability and product maintainability.
- As we increase our focus on virtual computing and pervasive engineering simulation, we aim to add platforms well-suited to these environments, including proven open-source options.

### **Ansys 2022 R2 Supported Platforms**

2022 R2 is the latest Ansys release. The specific operating system versions supported by each Ansys product can be found at [ansys.com](http://ansys.com)> Customer Center> Support> More Support> Platform Support (<https://www.ansys.com/it-solutions/platform-support>).

Ansys 2022 R2 includes support for the following:

- Windows 10 (64-bit Professional, Enterprise and Education editions, including FIPS mode support for most products)
- Windows 11 (64-bit Professional, Enterprise and Education editions, including FIPS mode support for most products)
- Windows Server 2016 Standard Edition (64-bit)
- Windows Server 2019 Standard Edition (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, and 8.5 (64-bit)
- SUSE Enterprise Linux Server & Desktop (SLES/SLED) 12 SP4 and SP5 (64-bit)  
SUSE Enterprise Linux Server & Desktop (SLES/SLED) 15 SP1, SP2, and SP3 (64-bit)
- Community Enterprise OS (CentOS) 7.7, 7.8, 7.9, 8.1, 8.2 and 8.3 (64-bit)
- Ubuntu 20.04

The following Windows 10 versions, available via the Microsoft General Availability Channel, are supported at the time of release: 21H2, 21H1, 20H2, 1809 (server), and 1607 (server).

The following Windows 11 versions, available via the Microsoft General Availability Channel, are supported at the time of release: 21H2.

## Roadmap and Platforms to be dropped in 2022

- Tables 1 to 5 below summarize the platform support roadmap for Ansys products.
- 2022 R2 will be the last release to support Windows Server 2016
- 2022 R2 will be the last release to support RHEL 7.7
- 2022 R2 will be the last release to support SLES/SLED 12 Service Pack 4
- 2022 R2 will be the last release to support CentOS 7.7
- 2022 R2 will be the last release to support CentOS 8.1, 8.2, and 8.3
- Please consult the tables for all changes in operating system minor version support.

<b>Table 1 Ansys Roadmap</b>	<b>2019</b>	<b>2020</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>	
<b>Windows</b>	<b>R3</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>
<b>Windows 7</b> Professional and Enterprise editions	✓										
<b>Windows 7</b> Ansys VRXPERIENCE only	✓	✓	✓								
<b>Windows 10</b> Professional, Enterprise & Education editions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Windows 11</b>							✓	✓	✓	✓	✓
<b>Windows Server 2012</b> Standard edition	✓										
<b>Windows Server 2016</b> Standard edition	✓	✓	✓	✓	✓	✓	✓				
<b>Windows Server 2019</b> Standard edition	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓
<b>Windows Server 2022</b> Standard edition								✓*	✓*	✓*	✓*
✓ Ansys Applications and License Manager						* If feasible					
1 Microsoft HPC Pack (Scheduler and MPI) is not supported for Windows Server 2019											

Ansys Student licensing is only available on the Windows 10 platform (64-bit, Professional, Enterprise and Educational editions). For more information, see [ansys.com> Students and Academic](https://www.ansys.com/academic) (<https://www.ansys.com/academic>)



<b>Table 2 Ansys Roadmap</b>	<b>2019</b>	<b>2020</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>	
<b>Red Hat Enterprise Linux</b>	<b>R3</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>
<b>RHEL 6</b> Semiconductor applications only	✓	✓	✓	✓							
<b>RHEL 6.9 Enterprise</b>	✓										
<b>RHEL 6.10 Enterprise</b>	✓										
<b>RHEL 7.4 Enterprise</b>	✓	✓	✓								
<b>RHEL 7.5 Enterprise</b>	✓	✓	✓								
<b>RHEL 7.6 Enterprise</b>	✓	✓	✓	✓	✓						
<b>RHEL 7.7 Enterprise</b>		✓	✓	✓	✓	✓	✓				
<b>RHEL 7.8 Enterprise</b>				✓	✓	✓	✓	✓	✓	✓	
<b>RHEL 7.9 Enterprise</b>					✓	✓	✓	✓	✓	✓	
<b>RHEL 8.1 Enterprise</b>				✓	✓	✓	✓	✓			
<b>RHEL 8.2 Enterprise</b>					✓	✓	✓	✓			
<b>RHEL 8.3 Enterprise</b>					✓	✓	✓	✓	✓		
<b>RHEL 8.4 Enterprise</b>						✓	✓	✓	✓	✓	
<b>RHEL 8.5 Enterprise</b>							✓	✓	✓	✓	✓
<b>RHEL 8.6 Enterprise</b>								✓*	✓*	✓*	✓*
<b>RHEL 8.7 Enterprise</b>									✓*	✓*	✓*
<b>RHEL 8.8 Enterprise</b>										✓*	✓*
<b>RHEL 8.9 Enterprise</b>											✓*
<b>RHEL 9.x Enterprise</b>											✓*
✓ Ansys Applications and License Manager						* If feasible					

<b>Table 3 Ansys Roadmap</b>	<b>2019</b>	<b>2020</b>		<b>2021</b>		<b>2022</b>		<b>2023</b>		<b>2024</b>	
<b>SUSE Linux Enterprise Server</b>	<b>R3</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>	<b>R1</b>	<b>R2</b>
<b>SUSE Linux Enterprise Desktop</b>											
<b>SLES 11 SP 3/4</b> Semiconductor applications only	✓	✓	✓	✓							
<b>SLES / SLED 12 SP 2</b>	✓	✓									
<b>SLES / SLED 12 SP 3</b>	✓	✓	✓	✓							
<b>SLES / SLED 12 SP 4</b>	✓	✓	✓	✓	✓	✓	✓				
<b>SLES / SLED 12 SP 5</b>				✓	✓	✓	✓	✓	✓	✓	
<b>SLES / SLED 15 SP 1</b>			✓	✓	✓	✓	✓	✓			
<b>SLES / SLED 15 SP 2</b>					✓	✓	✓	✓	✓	✓	
<b>SLES / SLED 15 SP 3</b>							✓	✓	✓	✓	✓
<b>SLES / SLED 15 SP 4</b>									✓*	✓*	✓*
<b>SLES / SLED 15 SP 5</b>											✓*
✓ Ansys Applications and License Manager						* If feasible					



Table 4 Ansys Roadmap Linux: Community Enterprise OS	2019	2020		2021		2022		2023		2024	
	R3	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
CentOS 6 Semiconductor applications only	✓	✓	✓	✓							
CentOS 7.4	✓	✓	✓								
CentOS 7.5	✓	✓	✓								
CentOS 7.6	✓	✓	✓	✓	✓						
CentOS 7.7		✓	✓	✓	✓	✓	✓				
CentOS 7.8				✓	✓	✓	✓	✓	✓	✓	
CentOS 7.9					✓	✓	✓	✓	✓	✓	
CentOS 8.1				✓	✓	✓	✓				
CentOS 8.2					✓	✓	✓				
CentOS 8.3					✓	✓	✓				
✓ Ansys Applications and License Manager						* If feasible					

### Ubuntu replacement support for CentOS announcement

Beginning with release 2022 R2, ANSYS, Inc. will support the long-term support releases of the Ubuntu Linux operating system/distribution pending ongoing technical evaluations.

Developed largely using free and open-source software, Ubuntu will be supported as an alternative to the recently announced termination of CentOS (Community Enterprise Operating System). See <https://blog.centos.org/2020/12/future-is-centos-stream/>

Consequently, Ansys will phase out support for CentOS. The current strategy is to support the latest versions of CentOS 7 until at least 2024 in concurrence with the final CentOS 7 maintenance release scheduled for June 30, 2024.

Ansys intends to phase-out support of CentOS 8.1, 8.2, and 8.3 by 2023, meaning the last release in which they will be supported is release 2022 R2. No newer versions of CentOS 8 will be supported by Ansys.

For more information about Ubuntu, see <https://ubuntu.com/>

Table 5 Ansys Roadmap Linux: Ubuntu LTS	2020		2021		2022		2023		2024		
	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	
18.04 "Bionic Beaver"											
20.04 "Focal Fossa"						✓	✓	✓	✓	✓	
22.04 "Jammy Jellyfish"							✓*	✓*	✓*	✓*	
✓ Ansys Applications and License Manager						* If feasible					



The information in the above five roadmap tables represents Ansys' current view of its product support platform and availability dates. It is intended for information purpose only and subject to change at any time without prior notification. When available, updated versions of this document will be published on [ansys.com](https://www.ansys.com).

## **Virtual Desktop Infrastructure**

Ansys 2022 R2 supports the following Virtual Desktop Infrastructure:

- **VMware Horizon View** (Windows 10 / 11, Server 2016 / 2019, Red Hat 7 / 8, SLES 12, CentOS 7 / 8, and Ubuntu 20.02) with VMware vSphere ESXI (Hypervisor Layer)
- **Citrix XenDesktop** (Windows 10 and Server 2016 / 2019) with Citrix Hypervisor
- **NICE DCV** (Red Hat 7 / 8, SLES 12, CentOS 7 / 8, and Ubuntu 20.04) with VMware vSphere ESXI or Citrix Hypervisor GPU Pass-Through only

For more detailed support information and specific versions tested, see the *Ansys 2022 R2 – Remote Display and Virtual Desktop Support* table at [ansys.com> Customer Center> Support> More Support> Platform Support](https://www.ansys.com/customer-center/support/more-support/platform-support) (<https://www.ansys.com/it-solutions/platform-support>).

## **Compilers**

To take advantage of improving compiler technologies, Ansys updates supported compilers from time to time. The following compilers are supported for user-programmable features and functions at Ansys 2022 R2:

- Visual Studio 2019 version 16.0.22 (Windows)
- GCC 8.2 (Linux)
- Intel Parallel Studio XE 2019, Update 5 (Windows), Intel Parallel Studio XE 2019, Update 3 (Linux)

## **Ansys Quality Assurance Services**

Typically, QA Services and the associated Verification Testing Packages will be available for the same platforms as Ansys 2022 R2. Contact the ANSYS, Inc. Corporate Quality Group at [ansys-qa-services@ansys.com](mailto:ansys-qa-services@ansys.com) for information about ANSYS, Inc.'s QA Services.

## **Feedback**

For questions about this document, or if you have platforms that you would like us to consider supporting in the future, you can e-mail those requests to [platform-feedback@ansys.com](mailto:platform-feedback@ansys.com). Your feedback is important to us and will determine our future platform support plans.

Please do not use this address if you need technical support. Contact your technical support team directly.

