Ansys Computing Platform Support: September 2021

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> 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 2021 R2 Supported Platforms

2021 R2 is the latest Ansys release. The specific operating system versions supported by each Ansys product can be found at ansys.com> Customer Center> Support> More Support> Platform Support (https://www.ansys.com/it-solutions/platform-support).

Ansys 2021 R2 includes support for the following:

- Windows 10 (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) 7.6, 7.7, 7.8, 7.9, 8.1, 8.2 and 8.3 (64-bit)
- SUSE Enterprise Linux Server & Desktop (SLES/SLED) 12 SP4 and SP5 (64-bit), and SLES/SLED 15 SP1 and SP2 (64-bit)
- Community Enterprise OS (CentOS) 7.6, 7.7, 7.8, 7.9, 8.1, 8.2 and 8.3 (64-bit)

The following Windows 10 versions, available via the Microsoft Semi-Annual Channel, are supported at the time of release: 2009/20H2, 2004, 1909, 1809, and 1607.

Roadmap and Platforms to be dropped in 2021

- Tables 1 to 5 below summarize the platform support roadmap for Ansys products.
- 2021 R2 will be the last release to support Red Hat Enterprise Linux 7.6 and CentOS 7.6
- Please consult the tables for all changes in operating system minor version support.
- 2021 R2 will be the last Ansys release to support OpenText™ Exceed onDemand™ for remote display.

Table 1: Ansys Roadmap - Windows	2019	2020		2021		2022		2023
	R3	R1	R2	R1	R2	R1	R2	R1
Windows 7 Professional and Enterprise editions	✓							
Windows 7 Ansys VRXPERIENCE only	✓	✓	✓					
Windows 10 Professional, Enterprise & Education editions	✓	✓	✓	✓	✓	✓	✓	✓
Windows 11							✓*	✓*
Windows Server 2012 Standard edition	✓							
Windows Server 2016 Standard edition	✓	✓	✓	✓	✓	✓	✓	
Windows Server 2019 Standard edition	✓[1]	✓[1]	✓[1]	✓	✓	✓	✓	✓
Windows Server 2022 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)

Table 2: Ansys Roadmap - Linux (RHEL)	2019 R3	2020 R1	2020 R2	2021 R1	2021 R2	2022 R1	2022 R2	2023 R1
RHEL 6 Semiconductor applications only	✓	✓	✓	✓				
RHEL 6.9 Enterprise	✓							
RHEL 6.10 Enterprise	✓							
RHEL 7.4 Enterprise	✓	✓	✓					
RHEL 7.5 Enterprise	✓	✓	✓					
RHEL 7.6 Enterprise	✓	✓	✓	✓	✓			
RHEL 7.7 Enterprise		✓	✓	✓	✓	✓	✓	
RHEL 7.8 Enterprise				✓	✓	✓	✓	✓
RHEL 7.9 Enterprise					✓	✓	✓	✓
RHEL 8.1 Enterprise				✓	✓	✓	✓	✓
RHEL 8.2 Enterprise					✓	✓	✓	✓
RHEL 8.3 Enterprise					✓	✓	✓	✓
RHEL 8.4 Enterprise						✓*	✓*	✓*
RHEL 8.5 Enterprise							✓*	✓*
RHEL 8.6 Enterprise								✓*
✓ Ansys Applications and License Manager * If feasible								

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

Table 4: Ansys Roadmap - Linux (CentOS)	2019	2020		2021		2022		2023
	R3	R1	R2	R1	R2	R1	R2	R1
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. is planning to 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. 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
	R1	R2	R1	R2	R1	R2	R1
18.04 "Bionic Beaver"							
20.04 "Focal Fossa"						✓*	✓
22.04 "JJ"							
✓ 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.

Virtual Desktop Infrastructure

Ansys 2021 R2 supports the following Virtual Desktop Infrastructure:

- VMware Horizon View 8.2006 (Windows 10, Server 2016 / 2019 Red Hat 7 / 8 and CentOS 7 / 8) with VMware vSphere ESXI 6.7 (Hypervisor Layer)
- Citrix XenDesktop 7 2009 (Windows 10 and Server 2016 / 2019) with Citrix Hypervisor 8.2
- NICE DCV 2020.2 (Red Hat 7 / 8, SLES 12, and CentOS 7 / 8) with VMware vSphere ESXI 6.7 or Citrix Hypervisor 8.2 GPU Pass-Through only

For more detailed support information, see the *Ansys 2021 R2 – Remote Display and Virtual Desktop Support* table at 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 2021 R2:

- Visual Studio 2017 (Windows)
- GCC 8.2 (Linux)
- Intel Parallel Studio XE 2019, Update 3 (Windows and Linux)

Ansys Quality Assurance Services

Typically, QA Services and the associated Verification Testing Packages will be available for the same platforms as Ansys 2021 R2. Contact the ANSYS, Inc. Corporate Quality Group at 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. 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.