



CAD Support
Release 2021 R2
Ansys Workbench Platform
Reader/Plug-Ins

CAD Package	Supported Versions	Reader / Plug-In	Operating System							VERSION NOTES:
			Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 7 (7.6, 7.7 & 7.8)	Red Hat Enterprise 8 (8.1)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1)	CentOS 7 (Community Enterprise OS 7.6, 7.7 & 7.8)	CentOS 8 (Community Enterprise OS 8.1)	
ACIS	2021	Reader	✓	✓	✓	✓	✓	✓	✓	
AutoCAD	2021	Reader	✓							
	2021	Plug-In	✓							
	2020	Plug-In	✓ ¹							1 Requires operating system's version 1803 or higher
CATIA V4	4.2.4	Reader	✓							
CATIA V5	V5-6R2021	Reader	✓	✓	✓	✓	✓	✓	✓	
CATIA V6	2021x	Reader	✓							
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.70.0)	V5-6R2018, V5-6R2019, V5-6R2020	Reader ²	✓							2 Provides a bidirectional integration requiring a CatiaV5 installation.
Creo Elements / Direct Modeling	20.3	Plug-In	✓							
	20.2	Plug-In	✓							
Creo Parametric	7.0	Reader	✓							
	7.0	Plug-In	✓							
	6.0	Plug-In	✓							
	5.0	Plug-In	✓							
Fusion 360		Plug-In	✓							
IGES	4.0, 5.2, 5.3	Reader	✓	✓	✓	✓	✓	✓	✓	
Inventor	2021	Reader	✓							
	2021	Plug-In	✓							
	2020	Plug-In	✓ ³							3 Requires operating system's version 1803 or higher
JT	10.5	Reader	✓							
Monte Carlo N-Particle ⁴		Reader*	✓	✓	✓	✓	✓	✓	✓	4 Support limited to DesignModeler

			Operating System							
			Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 7 (7.6, 7.7 & 7.8)	Red Hat Enterprise 8 (8.1)	SuSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SuSE Linux Enterprise Server & Desktop 15 (SP1)	CentOS 7 (Community Enterprise OS 7.6, 7.7 & 7.8)	CentOS 8 (Community Enterprise OS 8.1)	
NX	1926	Reader	✓							
	1953	Plug-In	✓ ⁵							5 Support limited to Professional & Enterprise versions
	1926	Plug-In	✓ ⁵							5 Support limited to Professional & Enterprise versions
	1899	Plug-In	✓							
Parasolid	33.0	Reader	✓	✓	✓	✓	✓	✓	✓	
Revit	2020.0	Reader	✓							
Rhinoceros	v6.0	Reader	✓							
SketchUp	V2020	Reader	✓							
Solid Edge	2021	Reader	✓							
	2021	Plug-In	✓							
	2020	Plug-In	✓							
SOLIDWORKS	2021	Reader	✓							
	2021 ⁶	Plug-In	✓							6 Validated by external third party
	2020 ⁶	Plug-In	✓							
	2019 ⁶	Plug-In	✓							
SpaceClaim ⁷	2020	Plug-In*	✓							7 Not supported for ICEM-CFD
STEP	AP203, AP214, AP242	Reader	✓	✓	✓	✓	✓	✓	✓	

Reader / Plug-In Footnotes:

* Excludes support using Workbench Readers for ICEM-CFD



CAD Support
Release 2021 R2
Ansys ICEM CFD
Direct Interface Support

CAD Package	Supported Versions	Reader	Operating System	Operating System						VERSION NOTES:	
				Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 7 (7.6, 7.7 & 7.8)	Red Hat Enterprise 8 (8.1)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1)	CentOS 7 (Community Enterprise OS 7.6, 7.7 & 7.8)		CentOS 8 (Community Enterprise OS 8.1)
ACIS	2020	Reader			✓	✓	✓	✓	✓	✓	
CATIA V4	4.2.4	Reader	✓	✓	✓	✓	✓	✓	✓	✓	
DWG		Reader	✓ ¹	✓	✓	✓	✓	✓	✓	✓	
GEMS		Reader	✓	✓	✓	✓	✓	✓	✓	✓	
IDI	MS 8/9	Reader	✓ ¹				✓				
IGES	4.0, 5.2, 5.3	Reader	✓ ¹	✓	✓	✓	✓	✓	✓	✓	
Parasolid	33.0	Reader	✓ ¹	✓	✓	✓	✓	✓	✓	✓	
Plot3d		Reader	✓				✓				
Rhinoceros		Reader	✓	✓	✓	✓	✓	✓	✓	✓	
STEP	AP203, AP214, AP242	Reader	✓ ¹	✓	✓	✓	✓	✓	✓	✓	
STL		Reader	✓ ¹	✓	✓	✓	✓	✓	✓	✓	

Product Footnotes:
 1 Requires supplemental install



CAD Support

Release 2021 R2

Optical (Ansys SPEOS for CAD Integration)

ANSYS SPEOS for:		Supported Versions	Operating System	Supported Service Packs:	
Creo Parametric	7.0	✓	Windows 10 Red Hat Enterprise 7 (7.6, 7.7 & 7.8) Red Hat Enterprise 8 (8.1) SuSE Linux Enterprise Server & Desktop 12 (SP4 & SP5) SuSE Linux Enterprise Server & Desktop 15 (SP1) CentOS 7 (Community Enterprise OS 7.6, 7.7 & 7.8) CentOS 8 (Community Enterprise OS 8.1)	Up to 7,0,3,0 as service pack supported	
	6.0	✓		Up to 6,0,6,0 as service pack supported	
	4.0 ⁶	✓		Up to M150 as service pack supported	
NX ¹	2034 ²				
	1980 ³				
	1953 ⁴	✓			NX 1961 as a service pack supported
	1926 ⁵	✓			NX1946.3400 as a service pack supported
	1899 ⁶	✓			NX1919.4340 as a service pack supported
	12 ⁶	✓		NX 12.0.2 MP 14	
	11 ⁶	✓		from NX 11.0.0.33 MP0 to NX 11.0.2.7 MP12	

Package and Version Footnotes:

1 Compatible with monthly NX service packs as available at the time of the release.

2 Supported as of Ansys 2023 R1

3 Supported as of Ansys 2022 R1

4 Unsupported as of Ansys 2023 R1

5 Unsupported as of Ansys 2022 R2

6 Unsupported as of Ansys 2022 R1



CAD Support
 Release 2021 R2
 Ansys Mechanical APDL
 Connections

CAD Package	Supported Versions	Connection	Operating System							VERSION NOTES:
			Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 7 (7.6, 7.7 & 7.8)	Red Hat Enterprise 8 (8.1)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1)	CentOS 7 (Community Enterprise OS 7.6, 7.7 & 7.8)	CentOS 8 (Community Enterprise OS 8.1)	
ACIS	2021	Connection	✓	✓	✓	✓	✓	✓	✓	
CATIA V4	4.2.4	Connection	✓	✓	✓	✓	✓	✓	✓	
CATIA V5	V5-6R2021	Connection	✓							
Creo Parametric	7.0	Connection	✓							
	6.0	Connection	✓							
	5.0	Connection	✓							
IGES	4.0, 5.2, 5.3	Connection	✓	✓	✓	✓	✓	✓	✓	
NX	1953	Connection	✓							
	1926	Connection	✓ ¹							1 Support limited to Professional & Enterprise versions
	1899	Connection	✓							
Parasolid	33.0	Connection	✓	✓	✓	✓	✓	✓	✓	