



CAD Support
Release 2022 R1
Ansys Workbench Platform
Reader/Plug-Ins

CAD Package	Supported Versions	Reader / Plug-In	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 (7.7, 7.8 & 7.9)	Red Hat Enterprise 8 (8.1, 8.2, 8.3 & 8.4)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1 & SP2)	CentOS 7 (Community Enterprise OS 7.7, 7.8 & 7.9)	CentOS 8 (Community Enterprise OS 8.1, 8.2 & 8.3)	
ACIS	2021	Reader	✓	✓	✓	✓	✓	✓	✓	
AutoCAD	2022	Reader	✓							
	2022	Plug-In	✓							
	2021	Plug-In	✓							
CATIA V4	4.2.4	Reader	✓							
CATIA V5	V5-6R2021	Reader	✓	✓	✓	✓	✓	✓	✓	
CATIA V6	2021x	Reader	✓							
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.80.0)	V5-6R2019, V5-6R2020, V5-6R2021	Reader ¹	✓							1 Provides a bidirectional integration requiring a CatiaV5 installation.
Creo Elements / Direct Modeling	20.4	Plug-In	✓							
	20.3	Plug-In	✓							
Creo Parametric	7.0	Reader	✓							
	8.0	Plug-In	✓							
	7.0	Plug-In	✓							
	6.0	Plug-In	✓							
Fusion 360	2.0.9930 onward	Plug-In	✓							
IGES	4.0, 5.2, 5.3	Reader	✓	✓	✓	✓	✓	✓	✓	
Inventor	2022	Reader	✓							
	2022	Plug-In	✓							
	2021	Plug-In	✓							
JT	10.5	Reader	✓							
Monte Carlo N-Particle ³		Reader*	✓	✓	✓	✓	✓	✓	✓	3 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 (7.7, 7.8 & 7.9)	Red Hat Enterprise 8 (8.1, 8.2, 8.3 & 8.4)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1 & SP2)	CentOS 7 (Community Enterprise OS 7.7, 7.8 & 7.9)	CentOS 8 (Community Enterprise OS 8.1, 8.2 & 8.3)	
NX	1980	Reader	✓							
	2007	Plug-In	✓ ⁴							4 Support limited to Professional & Enterprise versions
	1980	Plug-In	✓ ⁴							4 Support limited to Professional & Enterprise versions
	1953	Plug-In	✓ ⁴							4 Support limited to Professional & Enterprise versions
	1926	Plug-In	✓ ⁴							4 Support limited to Professional & Enterprise versions
Parasolid	33.0	Reader	✓	✓	✓	✓	✓	✓	✓	
Revit	2021.0	Reader	✓							
Rhinoceros	7	Reader	✓							
SketchUp	V2020	Reader	✓							
Solid Edge	2021	Reader	✓							
	2021	Plug-In	✓							
	2020	Plug-In	✓							
SOLIDWORKS	2021	Reader	✓							
	2022 ⁵	Plug-In	✓							5 Validated by external third party
	2021 ⁵	Plug-In	✓							
	2020 ⁵	Plug-In	✓							
	2019 ⁵	Plug-In	✓							
SpaceClaim ⁶	2020	Plug-In*	✓							6 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 2022 R1
 Ansys ICEM CFD
 Direct Interface Support

CAD Package	Supported Versions	Reader	Operating System	Red Hat Enterprise 7 (7.7, 7.8 & 7.9)	Red Hat Enterprise 8 (8.1, 8.2, 8.3 & 8.4)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1 & SP2)	CentOS 7 (Community Enterprise OS 7.7, 7.8 & 7.9)	CentOS 8 (Community Enterprise OS 8.1, 8.2 & 8.3)	VERSION NOTES:
ACIS	2020	Reader	Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	✓	✓	✓	✓	✓	✓	
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 2022 R1

Optical (Speos for CAD Integration)

Ansys Speos for:		Supported Versions	Operating System	Supported Service Packs:	
Creo Parametric	8.0	✓	Windows 10 Red Hat Enterprise 7 (7.7, 7.8 & 7.9) Red Hat Enterprise 8 (8.1, 8.2, 8.3 & 8.4) SuSE Linux Enterprise Server & Desktop 12 (SP4 & SP5) SuSE Linux Enterprise Server & Desktop 15 (SP1 & SP2) CentOS 7 (Community Enterprise OS 7.7, 7.8 & 7.9) CentOS 8 (Community Enterprise OS 8.1, 8.2 & 8.3)	Up to 8.0.1.0 as service pack supported	
	7.0	✓		Up to 7.0.5.0 as service pack supported	
	6.0	✓		Up to 6.0.6.0 as service pack supported	
NX ¹	2034 ²				
	1980	✓			Up to 1988 as service pack supported
	1953 ³	✓			NX 1973.3400 as a service pack supported
	1926 ⁴	✓		NX 1946.4040 as a service pack supported	

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 Unsupported as of Ansys 2023 R1

4 Unsupported as of Ansys 2022 R2



CAD Support
Release 2022 R1
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 (7.7, 7.8 & 7.9)	Red Hat Enterprise 8 (8.1, 8.2, 8.3 & 8.4)	SUSE Linux Enterprise Server & Desktop 12 (SP4 & SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP1 & SP2)	CentOS 7 (Community Enterprise OS 7.7, 7.8 & 7.9)	CentOS 8 (Community Enterprise OS 8.1, 8.2 & 8.3)	
ACIS	2021	Connection	✓	✓	✓	✓	✓	✓	✓	
CATIA V4	4.2.4	Connection	✓	✓	✓	✓	✓	✓	✓	
CATIA V5	V5-6R2021	Connection	✓							
Creo Parametric	8.0	Connection	✓							
	7.0	Connection	✓							
	6.0	Connection	✓							
IGES	4.0, 5.2, 5.3	Connection	✓	✓	✓	✓	✓	✓	✓	
NX	1980	Connection	✓ ¹							1 Support limited to Professional & Enterprise versions
	1953	Connection	✓ ¹							1 Support limited to Professional & Enterprise versions
	1926	Connection	✓ ¹							1 Support limited to Professional & Enterprise versions
Parasolid	33.0	Connection	✓	✓	✓	✓	✓	✓	✓	