



CAD Support

Release 2020 R1

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 (7.4, 7.5, 7.6 & 7.7)	SUSE Linux Enterprise Server & Desktop 12 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.4, 7.5, 7.6 & 7.7)	
ACIS	2019	Reader*	✓	✓	✓	✓	
	2020	Reader*	✓				
AutoCAD	2020	Plug-In*	✓ ³				3 Requires operating system's version 1803 or higher
	2019	Plug-In*	✓ ⁴				4 Requires operating system's Anniversary Update version 1607 or higher
CATIA V4	4.2.4	Reader*	✓				
CATIA V5	V5-6R2019	Reader*	✓	✓	✓	✓	
CATIA V6	R2019x	Reader*	✓				
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.60.0)	V5-6R2017, V5-6R2018, V5-6R2019	Reader*	✓				
Creo Elements / Direct Modeling	20.2	Plug-In*	✓				
	20.1	Plug-In*	✓				
Creo Parametric	6.0	Reader*	✓				
	6.0	Plug-In*	✓				
	5.0	Plug-In*	✓				
	4.0	Plug-In*	✓				
IGES	4.0, 5.2, 5.3	Reader*	✓	✓	✓	✓	
Inventor	2020	Reader*	✓				
	2020	Plug-In*	✓ ³				3 Requires operating system's version 1803 or higher
	2019	Plug-In*	✓ ⁴				4 Requires operating system's Anniversary Update version 1607 or higher
JT	10.3	Reader*	✓				
Monte Carlo N-Particle ²		Reader	✓	✓	✓	✓	

			Operating System				
			Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 7 (7.4, 7.5, 7.6 & 7.7)	SUSE Linux Enterprise Server & Desktop 12 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.4, 7.5, 7.6 & 7.7)	
NX	1847	Reader*	✓				5 Not supported with ANSYS Fluent
	1872	Plug-In*	✓				
	1847	Plug-In*	✓				
	12.0 ⁵	Plug-In*	✓	✓	✓		
Parasolid	30.0	Reader*	✓	✓	✓	✓	
Rhinoceros	v6.0	Reader*	✓				
SketchUp	V2018	Reader*	✓				
Solid Edge	2019	Reader*	✓				
	2020	Plug-In*	✓				
	2019	Plug-In*	✓				
SOLIDWORKS	2019	Reader*	✓				
	2019	Plug-In*	✓				
	2018	Plug-In*	✓				
SpaceClaim ¹	2020	Plug-In	✓				
STEP	AP203, AP214	Reader*	✓	✓	✓	✓	

Package Footnotes:

- 1 Not supported for ICEM CFD
- 2 Support limited to DesignModeler

Reader / Plug-In Footnotes:

- * Includes support using Workbench Readers for ICEM-CFD



CAD Support
 Release 2020 R1
 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 (7.4, 7.5, 7.6 & 7.7)	SUSE Linux Enterprise Server & Desktop 12 (SP2, SP3 & SP4)	
ACIS	18.0.1	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	30.0	Reader	✓ ¹	✓	✓	✓	
Plot3d		Reader	✓				
Rhinoceros		Reader	✓	✓	✓	✓	
STEP	AP203, AP214	Reader	✓ ¹	✓	✓	✓	
STL		Reader	✓ ¹	✓	✓	✓	

Product Footnotes:
 1 Requires supplemental install



CAD Support
 Release 2020 R1
 Optical (ANSYS SPEOS for CAD Integration)

ANSYS SPEOS for:		Supported Versions	Operating System	Supported Service Packs:
Creo Parametric	5.0	✓	Windows 10 Red Hat Enterprise 7 (7.4, 7.5, 7.6 & 7.7) SuSE Linux Enterprise Server & Desktop 12 (SP2, SP3 & SP4) CentOS 7 (Community Enterprise OS 7.4, 7.5, 7.6 & 7.7)	
	4.0	✓		up to M110
	3.0	✓		up to M190
NX	1888	✓		
	1872	✓		
	1847	✓		
	12	✓	NX 12.0.2.9 MP 10	
	11	✓	from NX 11.0.0.33 MP0 to NX 11.0.2.7 MP12	



CAD Support
 Release 2020 R1
 ANSYS Mechanical APDL
 Connections

CAD Package	Supported Versions	Connection	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 (7.4, 7.5, 7.6 & 7.7)	SuSE Linux Enterprise Server & Desktop 12 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.4, 7.5, 7.6 & 7.7)	
ACIS	2019	Connection	Windows 10	✓	✓	✓	✓	
CATIA V4	4.2.4	Connection	Windows 10	✓	✓	✓	✓	
CATIA V5	V5-6R2019	Connection	Windows 10	✓				
Creo Parametric	4.0	Connection	Windows 10	✓				
	5.0	Connection	Windows 10	✓				
	6.0	Connection	Windows 10	✓				
IGES	4.0, 5.2, 5.3	Connection	Windows 10	✓	✓	✓	✓	
NX	12.0	Connection	Windows 10	✓	✓	✓		
	1847	Connection	Windows 10	✓				
	1872	Connection	Windows 10	✓				
Parasolid	30.0	Connection	Windows 10	✓	✓	✓	✓	