



CAD Support

Release 2019 R1

ANSYS Workbench Platform

Reader/Plug-Ins

CAD Package	Supported Versions	Reader / Plug-In	Operating System		VERSION NOTES:				
			Windows 7	Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 6 (6.9 & 6.10)	Red Hat Enterprise 7 (7.3, 7.4 & 7.5)	SUSE Linux Enterprise Server & Desktop 12 (SP2 & SP3)	CentOS 7 (Community Enterprise OS 7.3, 7.4 & 7.5)	
ACIS	2018	Reader*	✓	✓	✓	✓	✓	✓	
ANSYS BladeGen ^{1, 2}	13, 14, 14.5	Reader							
AutoCAD	2019	Reader*	✓	✓					
	2019	Plug-In*	✓ ⁵	✓ ⁶					5 Requires operating system's SP1 Update KB4019990 6 Requires operating system's Anniversary Update version 1607 or higher
	2018	Plug-In*	✓	✓					
CATIA V4	4.2.4	Reader*	✓	✓					
CATIA V5	V5-6R2018	Reader*	✓	✓	✓	✓	✓	✓	
CATIA V6	R2018x	Reader*	✓	✓					
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.40.0)	V5-6R2016, V5-6R2017, V5-6R2018	Reader*	✓	✓ ⁷					7 Requires V5-6R2016 or later.
Creo Elements / Direct Modeling	20.1	Plug-In*	✓ ⁸	✓					8 Requires operating system's SP1
	20.0	Plug-In*	✓ ⁸	✓					8 Requires operating system's SP1
Creo Parametric	Creo Parametric 5.0	Reader*	✓	✓					
	Creo Parametric 5.0	Plug-In*	✓	✓					
	Creo Parametric 4.0	Plug-In*	✓	✓					
	Creo Parametric 3.0	Plug-In*	✓	✓ ⁹					9 Requires Creo Parametric 3.0 M060 or later
IGES	4.0, 5.2, 5.3	Reader*	✓	✓	✓	✓	✓	✓	
Inventor	2019	Reader*	✓	✓					
	2019	Plug-In*	✓ ⁵	✓ ⁶					5 Requires operating system's SP1 Update KB4019990 6 Requires operating system's Anniversary Update version 1607 or higher
	2018	Plug-In*	✓	✓					
JT	10.0	Reader*	✓	✓					
Monte Carlo N-Particle ⁴		Reader	✓	✓	✓	✓	✓	✓	

			Operating System						
			Windows 7	Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 6 (6.9 & 6.10)	Red Hat Enterprise 7 (7.3, 7.4 & 7.5)	SUSE Linux Enterprise Server & Desktop 12 (SP2 & SP3)	CentOS 7 (Community Enterprise OS 7.3, 7.4 & 7.5)	
NX	12.0	Reader*	✓	✓					10 Not supported with ANSYS Fluent
	12.0 ¹⁰	Plug-In*		✓		✓	✓		
	11.0	Plug-In*	✓	✓		✓	✓		
	10.0	Plug-In*	✓	✓	✓	✓	✓		
Parasolid	30.0	Reader*	✓	✓	✓	✓	✓	✓	
Rhinoceros	v6.0	Reader*	✓	✓					
SketchUp	V2018	Reader*	✓	✓					
Solid Edge	ST10	Reader*	✓	✓					
	Solid Edge 2019	Plug-In*		✓					
	ST10	Plug-In*	✓	✓					
SOLIDWORKS	2018	Reader*	✓	✓					
	2019	Plug-In*	✓	✓					
	2018	Plug-In*	✓	✓					
SpaceClaim ¹	2018	Plug-In	✓	✓					
STEP	AP203, AP214	Reader*	✓	✓	✓	✓	✓	✓	

Package Footnotes:

- 1 Not supported for ICEM CFD
- 2 BladeGen, BladeEditor, and DesignModeler are bundled together as part of the ANSYS BladeModeler product.
- 3 Support discontinued after ANSYS 19.2
- 4 Support limited to DesignModeler

Reader / Plug-In Footnotes:

- * Includes support using Workbench Readers for ICEM-CFD



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ANSYS ICEM CFD

Direct Interface Support

CAD Package	Supported Versions	Reader	Operating System				VERSION NOTES:	
			Windows 7	Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 6 (6.9 & 6.10)	Red Hat Enterprise 7 (7.3, 7.4 & 7.5)		SuSE Linux Enterprise Server & Desktop 12 (SP2 & SP3)
ACIS	18.0.1	Reader	✓ ¹					
CATIA V4	4.2.4	Reader	✓	✓				
DWG		Reader	✓ ¹	✓ ¹				
GEMS		Reader	✓	✓				
IDI	MS 8/9	Reader	✓ ¹	✓ ¹				
IGES	4.0, 5.2, 5.3	Reader	✓ ¹	✓ ¹	✓	✓	✓	✓
Parasolid	30.0	Reader	✓ ¹	✓ ¹	✓	✓	✓	✓
Plot3d		Reader	✓	✓				
Rhinoceros		Reader	✓	✓	✓	✓	✓	✓
STEP	AP203, AP214	Reader	✓ ¹	✓ ¹	✓	✓	✓	✓
STL		Reader	✓ ¹	✓ ¹	✓	✓	✓	✓

Product Footnotes:

1 Requires supplemental install



CAD Support
 Release 2019 R1
 ANSYS Mechanical APDL
 Connections

CAD Package	Supported Versions	Connection	Operating System						VERSION NOTES:
			Windows 7	Windows 10 (Professional, Enterprise & Education) Semi-Annual Channel and Long Term Service Channel releases are supported	Red Hat Enterprise 6 (6.9 & 6.10)	Red Hat Enterprise 7 (7.3, 7.4 & 7.5)	SUSE Linux Enterprise Server & Desktop 12 (SP2 & SP3)	CentOS 7 (Community Enterprise OS 7.3, 7.4 & 7.5)	
ACIS	2018	Connection	✓	✓	✓	✓	✓	✓	
CATIA V4	4.2.4	Connection	✓	✓	✓	✓	✓	✓	
CATIA V5	V5-6R2018	Connection	✓	✓					
Creo Parametric	Creo Parametric 3.0	Connection	✓	✓ ¹					1 Requires Creo Parametric 3.0 M060 or later
	Creo Parametric 4.0	Connection	✓	✓					
	Creo Parametric 5.0	Connection	✓	✓					
IGES	4.0, 5.2, 5.3	Connection	✓	✓	✓	✓	✓	✓	
NX	NX 10.0	Connection	✓	✓	✓	✓	✓	✓	
	NX 11.0	Connection	✓	✓		✓	✓		
	NX 12.0	Connection		✓		✓	✓		
Parasolid	30.0	Connection	✓	✓	✓	✓	✓	✓	