



CAD Support
Release 2023 R1
Ansys Workbench Platform
Reader/Plug-Ins

| CAD Package | Supported Versions | Reader / Plug-In | Operating System | | | | | | | | VERSION NOTES: |
|---|---------------------------------|---------------------|---|---|-------------------------------------|--|---|--|---|------------------|--|
| | | | Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported | Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported | Red Hat Enterprise 7 (7.8 & 7.9) | Red Hat Enterprise 8 (8.1, 8.2, 8.3, 8.4, 8.5, 8.6 & 8.7) | SUSE Linux Enterprise Server & Desktop 12 (SP5) | SUSE Linux Enterprise Server & Desktop 15 (SP1, SP2 & SP3) | CentOS 7 (Community Enterprise OS 7.8 & 7.9) | Ubuntu LTS 20.04 | |
| ACIS | 2022 | Reader | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| AutoCAD | 2023 | Reader | ✓ | ✓ | | | | | | | |
| | 2023 | Plug-In | ✓ | ✓ | | | | | | | |
| | 2022 | Plug-In | ✓ | ✓ | | | | | | | |
| CATIA V4 | 4.2.4 | Reader | ✓ | ✓ | | | | | | | |
| CATIA V5 | V5-6R2022 | Reader | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CATIA V6 | 2022x | Reader | ✓ | ✓ | | | | | | | |
| CATIA V5 - (CADNexus CAPRI CAE Gateway V3.90.0) | V5-6R2020, V5-6R2021, V5-6R2022 | Reader ¹ | ✓ | | | | | | | | 1 Provides a bidirectional integration requiring a CatiaV5 installation. |
| Creo Elements / Direct Modeling | 20.5 | Plug-In | ✓ | ✓ | | | | | | | |
| | 20.4 | Plug-In | ✓ | | | | | | | | |
| Creo Parametric | 9.0 | Reader | ✓ | ✓ | | | | | | | |
| | 9.0 | Plug-In | ✓ | ✓ ² | | | | | | | 2 Requires Windows 11 version 21H2 or higher |
| | 8.0 | Plug-In | ✓ | ✓ ³ | | | | | | | 3 Minimum supported version 8.0.3.0; requires Windows 11 version 21H2 or higher |
| | 7.0 | Plug-In | ✓ ⁴ | ✓ ⁵ | | | | | | | 4 Minimum supported version 7.0.4.0 5 Minimum supported version 7.0.7.0; requires Windows 11 version 21H2 or higher |
| Fusion 360 | 2.0.12392 onward | Plug-In | ✓ | ✓ | | | | | | | |
| IGES | 4.0, 5.2, 5.3 | Reader | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Inventor | 2023 | Reader | ✓ | ✓ | | | | | | | |
| | 2023 | Plug-In | ✓ | ✓ | | | | | | | |
| | 2022 | Plug-In | ✓ | | | | | | | | |
| JT | 10.5 | Reader | ✓ | ✓ | | | | | | | |
| Monte Carlo N-Particle ⁶ | | Reader* | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 6 Support limited to DesignModeler |

| | | | Operating System | | | | | | | | |
|-------------------------|---------------------|----------|---|---|-------------------------------------|--|--|---|---|------------------|---|
| | | | Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported | Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported | Red Hat Enterprise 7 (7.8 & 7.9) | Red Hat Enterprise 8 (8.1, 8.2, 8.3, 8.4, 8.5, 8.6 & 8.7) | SuSE Linux Enterprise Server & Desktop 12 (SP5) | SuSE Linux Enterprise Server & Desktop 15 (SP1, SP2 & SP3) | CentOS 7 (Community Enterprise OS 7.8 & 7.9) | Ubuntu LTS 20.04 | |
| NX | 2007 | Reader | ✓ | ✓ | | | | | | | |
| | 2206 | Plug-In | ✓ ⁶ | ✓ ⁶ | | | | ✓ | | | 6 Support limited to Professional & Enterprise versions |
| | 2007 | Plug-In | ✓ ⁶ | ✓ ⁶ | | | | ✓ | | | 6 Support limited to Professional & Enterprise versions |
| | 1980 | Plug-In | ✓ ⁶ | | | | | ✓ | | | 6 Support limited to Professional & Enterprise versions |
| Parasolid | 33.0 | Reader | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Revit | 2022 | Reader | ✓ | ✓ | | | | | | ✓ | |
| Rhinoceros | 7 | Reader | ✓ | ✓ | | | | | | | |
| SketchUp | 2021 | Reader | ✓ | | | | | | | | |
| Solid Edge | 2022 | Reader | ✓ | ✓ | | | | | | | |
| | 2022 | Plug-In | ✓ | ✓ ⁷ | | | | | | | 7 Requires 2022 Maintenance Pack |
| | 2021 | Plug-In | ✓ | | | | | | | | |
| SOLIDWORKS | 2022 | Reader | ✓ | ✓ | | | | | | | |
| | 2022 ⁸ | Plug-In | ✓ | | | | | | | | 8 Validated by external third party |
| | 2021 ⁸ | Plug-In | ✓ | | | | | | | | |
| | 2020 ⁸ | Plug-In | ✓ | | | | | | | | |
| SpaceClaim ⁹ | 2020 | Plug-In* | ✓ | | | | | | | | 9 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 2023 R1
 Ansys ICEM CFD
 Direct Interface Support

| CAD Package | Supported Versions | Reader | Operating System | Red Hat Enterprise 7 (7.8 & 7.9) | Red Hat Enterprise 8 (8.1, 8.2, 8.3, 8.4, 8.5, 8.6 & 8.7) | SUSE Linux Enterprise Server & Desktop 12 (SP5) | SUSE Linux Enterprise Server & Desktop 15 (SP1, SP2 & SP3) | CentOS 7 (Community Enterprise OS 7.8 & 7.9) | Ubuntu LTS 20.04 | VERSION NOTES: |
|-------------|---------------------|--------|---|-------------------------------------|--|---|--|---|------------------|----------------|
| ACIS | 2020 | Reader | Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| CATIA V4 | 4.2.4 | Reader | Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 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 2023 R1

Optical (Speos for CAD Integration)

| Ansys Speos for: | | Supported Versions | Operating System | | Supported Service Packs: |
|------------------------------|-------------------|--------------------|------------------|------------|---|
| | | | Windows 10 | Windows 11 | |
| Creo Parametric ¹ | 9.0 ³ | | | | |
| | 8.0 | | ✓ | | From service pack 8.0.3.0 to 8.0.4.0 supported |
| | 7.0 | | ✓ | | Up to service pack 7.0.7.0 supported |
| | 6.0 | | ✓ | | Up to 6.0.6.0 as service pack supported |
| NX ² | 2212 ⁴ | | ✓ | ✓ | |
| | 2206 | | ✓ | ✓ | Up to service pack NX 2206 Build 4020 supported |
| | 2007 | | ✓ | ✓ | Up to service pack NX 2027 Build 3400 supported |
| | 1980 ⁵ | | ✓ | | Up to service pack NX 2000 Build 4020 supported |

Package and Version Footnotes:

1 Beginning with Ansys 2022 R2, support of all Creo Parametric versions is limited to R2 releases.

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

3 Supported as of Ansys 2023 R2

4 Ansys 2023 R1 Beta Support

5 Unsupported as of Ansys 2023 R2



CAD Support
 Release 2023 R1
 Ansys Mechanical APDL
 Connections

| CAD Package | Supported Versions | Connection | Operating System | | | | | | | | VERSION NOTES: |
|-----------------|--------------------|------------|---|---|-------------------------------------|--|--|---|---|------------------|--|
| | | | Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported | Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported | Red Hat Enterprise 7 (7.8 & 7.9) | Red Hat Enterprise 8 (8.1, 8.2, 8.3, 8.4, 8.5, 8.6 & 8.7) | SUSE Linux Enterprise Server & Desktop 12 (SP5) | SUSE Linux Enterprise Server & Desktop 15 (SP1, SP2 & SP3) | CentOS 7 (Community Enterprise OS 7.8 & 7.9) | Ubuntu LTS 20.04 | |
| ACIS | 2022 | Connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CATIA V4 | 4.2.4 | Connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CATIA V5 | V5-6R2022 | Connection | ✓ | ✓ | | | | | | | |
| Creo Parametric | 9.0 | Connection | ✓ | ✓ | | | | | | | |
| | 8.0 | Connection | ✓ | ✓ ¹ | | | | | | | 1 Minimum supported version 8.0.3.0 |
| | 7.0 | Connection | ✓ ² | ✓ ³ | | | | | | | 2 Minimum supported version 7.0.4.0 3 Minimum supported version 7.0.7.0; requires Windows 11 version 21H2 or higher |
| IGES | 4.0, 5.2, 5.3 | Connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| NX | 2206 | Connection | ✓ ⁴ | ✓ ⁴ | | | | | | | 4 Support limited to Professional & Enterprise versions |
| | 2007 | Connection | ✓ ⁴ | ✓ ⁴ | | | | | | | 4 Support limited to Professional & Enterprise versions |
| | 1980 | Connection | ✓ ⁴ | | | | | | | | 4 Support limited to Professional & Enterprise versions |
| Parasolid | 33.0 | Connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |