

Altair® HyperWorks® 2026

Installation Guide

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Introduction 1

This guide provides instructions for installing and operating Altair HyperWorks products on supported platforms.

This chapter covers the following:

- About Altair HyperWorks (p. 5)
- Altair Software and Hardware 2026 Release Notes (p. 6)
- Altair HyperWorks Licensing 2026 Release Notes (p. 11)

There are three versions of the *Altair HyperWorks Installation Guide*.

- Quick: Instructions for installing Altair HyperWorks products.
- Basic: In addition to installation instructions, this guide also includes comprehensive installation options like console and silent mode installs.
- Advanced:
  - Details on installing Radioss HMPP, OptiStruct SPMD, nanoFluidX, and ultraFluidX.
  - Configuration options for the AcuSolve products.
  - Minimum operating system requirements for Feko products. Refer to the *Feko Installation Guide* for details on installing and configuring Altair Feko.

Refer to the *Altair Units Licensing Guide* for procedures on connecting to the Altair Units licensing system.

Altair HyperWorks 2026 uses InstallAnywhere 2022 R2 web installers as its installation tool. InstallAnywhere provides the consistent look and feel of an installation wizard across all platforms for Altair HyperWorks products.

To run Altair HyperWorks 2026 applications, connect the applications to the Altair License Management System 2026 (or higher, using the latest version is recommended). Details of the installation and how to start the Altair License Manager can be found in the *Altair License Management System 2026 Installation and Administration Guide*. The license packages are available on Altair One Marketplace.

Important: For Linux users, RHEL or CIQ Rocky Linux 9.4 or higher is **required** to install and run HyperWorks 2026 products.

This change applies only to the HyperWorks 2026 release and future versions. Your existing installations of HyperWorks 2025.1 and earlier will continue to work unchanged on their currently supported operating systems.

For more information, please see this notice on Altair Community.

About Altair HyperWorks

Quick introduction to Altair HyperWorks products.

Solutions for Every Stage of Product Development

Altair HyperWorks offers solutions for all engineers – from model-based systems design and early geometry ideation, to detailed multiphysics simulation and optimization. Our simulation-driven approach to innovation is powered by our integrated software that optimizes design performance across multiple disciplines encompassing structures, motion, fluids, thermal management, electromagnetics, system modeling and embedded systems.

Industry Leading Optimization and Physics Workflows

Altair has been the industry leader for generative design software for over two decades. Altair HyperWorks optimizes structures, mechanisms, composites and additive manufactured parts. Regardless of how your product is produced, Altair HyperWorks products can enhance creativity by proposing designs that are as manufacturable as they are efficient and innovative.

Shared User Experience

Your designers, engineers, and CAE specialists can now work within a single intuitive and consistent user-experience. Each release of the Altair HyperWorks products provides more tools that deliver class-leading workflows employing this same user-interface.

Tools for Both Experts and Part-time Analysts

Altair HyperWorks's broad workflow implementations enable design engineers and part-time analysts to drive more of your product design with optimization. Simulation experts can draw upon the advanced features of Altair HyperWorks products including multiphysics simulations of interacting structural, mechanical, thermal, electromagnetic, and fluid behavior.

Access to Products

Altair HyperWorks provides value and flexibility through a patented, units-based licensing system. Altair Units allows metered usage of our Altair HyperWorks products and an expanding library of Altair Partner Alliance solutions. We have revolutionized the way you obtain software by eliminating the hurdles that prevent you from getting the tools you need.

Altair Software and Hardware 2026 Release Notes

Hardware and Platform Support

> **Notice:** As of October 14, 2025, Microsoft Windows 10 reached its end of support. Following Microsoft's messaging, all Altair 2026.0 applications no longer support Windows 10. Altair is providing this information to help our customers accommodate this change. Altair 2026.0 supports the Windows 11 operating system, along with our other Linux-based operating systems. Please contact your local Altair support team if you have any questions or concerns.

Operating system additions

Support for the following platforms has been added:

- Windows 11
- RHEL/CIQ Rocky Linux 9.4

Discontinued hardware platform support systems

Support for the following platforms has been dropped:

- Windows 10
- SLES 15 SP3
- RHEL 8.4

Installation

HyperWorks 2026 suite contains independent product packages

Independent product packages give you the flexibility to download desired packages as needed. Any HyperWorks 2026 SA (standalone) update package can be installed either on top of an existing 2026 installation or it can be installed independently without the prerequisite of a 2026 base.

> **Important:** You can no longer install a different version of an already installed product to the same location (for example, HW Desktop 2026.1 on top of HW Desktop 2026).

Installer capabilities and features

HyperWorks 2026 brings with it the robust capabilities and features of HyperWorks 2025.1 installers, as well as additional support for HotFix installers. These HotFix installers are quick patch type installers that are used to install on top of a prerequisite base installation, unlike the other full installers. These are marked with the word “hotfix” in the installer name and bring with them the quick fixes and features to better suit your needs.

Model files removed from installation package

To reduce the footprint size, the following tutorial model and demo model files are no longer included in the local installation. You can now find zipped tutorial model files and demo model files on Altair One via the Altair One Community and Altair One Marketplace sites. Altair recommends

that you create an Altair One account and use it as your primary portal to access product documentation, a Knowledge Base, and customer support.

- Tutorial Model Files
  - BasicFEA
  - HyperGraph
  - HyperLife
  - HyperLife Weld Certification
  - HyperMesh
  - HyperStudy
  - HyperView
  - HyperWorks
  - HyperWorks CFD
  - HyperWorks Collaboration Tools
  - HyperWorks Desktop
  - MotionSolve
  - MotionView
  - nanoFluidX
  - OptiStruct
  - Radioss
  - SnRD
- Demo Model Files
  - OptiStruct > Examples
  - OptiStruct > Verification Problems
  - Radioss > Examples
  - Radioss > Verification Problems

Installation and Packaging Features

- HyperMesh Desktop and Twin Activate join the Inspire installers and HyperMesh CFD in automatically downloading and installing the necessary components and additional add-ons. Please consult the installation guides for additional details.
- MPI now has a common implementation among the products that use it, and is now located in the top-level “common” directory.
- ActiveState Python was upgraded to 3.10.18.
- Application Java Runtime was upgraded to Amazon Corretto 11.0.27.6.1.
- FlightStream now has installers for both Linux and Windows.
- PBS Access Embedded has been added to Desktop, Mechanical Solvers, and SimLab for remote job submission.
- A launch script was added for HyperLife Crack Growth on Linux.
- HyperMesh CFD now supports server-mode installation.
- Altair Inspire was added to the Linux menu.

- HyperStudy has been updated with a new user interface.
- Desktop 2022.3 can be installed using the 2026 Altair HyperWorks Products Installer (main installer).
- HyperMesh CFD was added as a new product on Windows and Linux.
- Digital signatures have been added to more executables to improve security.
- Installers have been improved to reduce the file footprint and improve installation performance.
- Mechanical Solvers installation is now modular, so you can choose which solvers to install.
- nanoFluidX was added to the CFD Solvers package on Windows and is also available on Linux.
- File associations for HyperMesh Desktop were updated to open files in the new user interface.
- FluxMotor was added to the Flux package on Windows.
- Overwrite/overlay installation is no longer supported, and the installers will prevent it from happening.

Resolved Issues

- Apache Tomcat security vulnerability was addressed in the PBS Access Desktop (PAD) common installer.
- Installers that were failing to install when the Windows Regional Format was set to Arabic or Hebrew now install successfully.
- Running the NETSETUP client installer as a non-administrative user now works properly.
- EDEM will no longer set file associations if you have not selected that option when using the HyperWorks Products Installer.
- Hydra services started by Feko and Flux were not being stopped before an uninstall.
- The installer names were being truncated on displays with scaling set to 125% or higher.
- Installing Feko as a non-administrator no longer causes a non-fatal installation error.
- Installing SimSolid by itself using the Altair HyperWorks Products installer (main installer) no longer causes a non-fatal installation error.
- Installing Flux in silent mode on Linux no longer causes an unexpected terminal message.
- HyperMesh File Preview (thumbnail) registration was not occurring for some types of installations.
- Silent installs will no longer check for running processes using PowerShell.
- When SimLab is uninstalled from a multi-product install, it no longer removes the common Python directory.
- The Altair HyperWorks Products Installer (main installer) reported an incorrect amount of available disk space on Linux.
- The most recent package was not selected in the Altair HyperWorks Products Installer (main installer) Choose Install Set panel in some cases.
- Multiple successive spaces in the installation directory or shortcut folder caused an issue on Windows.

Known Issues

> **Notice:** As of October 14, 2025, Microsoft Windows 10 reached its end of support. Following Microsoft's messaging, all Altair 2026.0 applications no longer support Windows 10. Altair is providing this information to help our customers accommodate this change. Altair 2026.0 supports the Windows 11 operating system, along with our other Linux-based operating systems. Please contact your local Altair support team if you have any questions or concerns.

The following known issues will be addressed in a future release as performance of the software is continuously improved:

- On Linux, Xpress installers cannot be run from a folder or path that contains a space.
- On Windows 11, WMIC is now an optional feature. If WMIC is not installed, in the **Updates and System Information** dialog, the System Information tab will not function properly and will instead display and Application Error message.
- Silent installs on Windows will need to be run with the "-l en" argument if the Windows Regional Format is set to Arabic or Hebrew.
- The use of commas in the install path causes multiple products to not function currently.
- On Windows 11, the shortcut icons for server and client mode installations are blank unless remote paths in shortcut icons is enabled in the Windows group policy editor.
- Using the Back/Previous option with an installer may not reset the installer variables correctly if changes are made and the install session is continued.
- On Linux, installing to a directory with spaces is not supported. Additionally, if the path that the installers are run from contains a space, you will see a harmless message in the terminal window.
- Special characters in the path to the temp location can cause the Java in the installer to not function correctly.
- On Linux, during a console mode install, when using the response file output command `-r` in the Help Configuration response file may not write out correctly.
- If there is not enough TMP/TEMP space on the main drive (for example, `C:` under Windows), the installer will prompt you to input a new location. Some Java TMP/TEMP space will still try to go to the main drive even when selecting this new location.
- Click **Cancel** to stop an installation:
  - via the Altair HyperWorks Products Installer (main installer) does not clean up the already installed files, but does clean up the files in the TMP/TEMP folder. You will need to uninstall/delete the installed files from the chosen install folder manually if **Cancel** was clicked.
  - causes the Add/Remove uninstaller icon to possibly not function correctly, and then manual removal of the installed files would be necessary.
- The HyperWorks installers do not support the use of the default `InstallAnywhere installer.properties` files. It is requested that a unique name is used when using a response file; for example, `installer_hw2026.properties`, and to use it with the `-f <path_to_file>/<filename>` command line option.
- For NETSETUP client installs from a server installation of HyperWorks, a UNC path must be used to get to the server installation path through Windows Explorer or Windows Network.

- On Linux, there is an issue with using the Altair HyperWorks Products Installer (main installer) with the IATEMPDIR variable to specify a custom temporary directory location. All sub-installers will try to use `/tmp` from the machine running the installers for temporary installer files.
- The installer does not run the Linux menu installation by default; you must run the installation script.
- When the Main Uninstaller is used, desktop shortcuts, if any, will not be removed during uninstallation.

Altair HyperWorks Licensing 2026 Release Notes

Highlights

Altair HyperWorks version 2026 products have been updated to the latest license libraries, Altair License Software Development Kit (ALSDK) 2026.

- With this update, Altair License Manager (ALM) 2026 is required for usage with Altair 2026 and its updates. Any older versions of ALM will not work for HyperWorks 2026 products.
- HyperWorks 9.1, 10.1, 11.0, 12.0, 13.0, 14.0, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025 as well as Altair 2026 are compatible with Altair License Manager 2026.

Licensing Changes

Product Licensing Changes

The following products have made licensing changes:

Embed

Embed Basic is no longer available. It is replaced by Embed Personal Edition.
Embed open version is no longer available as an add-on. It is included in all the Embed products.

Prepare to Install Altair HyperWorks Products

2

Summary of the items required and procedures needed to install and successfully run Altair HyperWorks applications on supported platforms.

This chapter covers the following:

- Platform Support (p. 14)
- Installation Media (p. 16)
- Download from Altair One Marketplace (p. 18)
- Download Model Files (p. 19)

Before starting installation, make sure you have everything you need.

- Altair HyperWorks 2026 and Altair License Manager software, delivered from Altair in USB/DVD format or Altair HyperWorks 2026 image packages downloaded from Altair One Marketplace.

  > **Tip:** Altair recommends that you create an Altair One account and use it as your primary portal to access product downloads, documentation, a Knowledge Base, and customer support.

- A USB compatible input port on the machine or a DVD compatible drive.
- Access to an activated and running Altair License Manager 2026 license server or a node locked license.
- A compatible machine that contains the minimum hardware/software requirements to run Altair HyperWorks applications. Refer to the Hardware Recommendations and Certifications section in the Appendix for details.
- Sufficient disk space for install: The full suite of Altair HyperWorks 2026 applications and help files needs 8 GB of temp space. The temp files are removed after successful completion of an installation.
-

  > **Important:** Starting with version 2024, the checksums for the Altair HyperWorks products on Altair One Marketplace were changed from MD5 to SHA-256. If the installers were downloaded or copied across the network, it is recommended that you verify the checksums of the installers. The SHA-256 checksum for each installer is posted on Altair One, so that you can compare the values.

Reference the *Altair HyperWorks 2026 Platform Support* documentation for operating systems and minimum requirement considerations, and the *Altair HyperWorks 2026 Hardware Recommendations and Certifications* document for further hardware inquiries.

General steps for installing Altair HyperWorks are:

1. Install and activate an Altair License Manager (the latest version) if one does not already exist. Alternatively, use a node locked license.
2. Install Altair HyperWorks 2026 on the designated machine(s).
3. Set an environment variable that points the Altair HyperWorks 2026 application to an activated and running Altair license server. Alternatively, set the environment variable to point to a node locked license.
4. Set up Altair HyperWorks online help, if needed.
5. The software to install the Altair License Manager is a separate package from the Altair HyperWorks 2026 application packages. Download the Altair license package from the Altair website and follow the *Altair License Management System 2026 Installation and Operating Guide* to install and start the Altair License Manager properly.

Platform Support

Platforms, operating systems, and processors supported by Altair HyperWorks 2026 products, which includes 2026 solver packages.

Notice: On October 14, 2025, Microsoft Windows 10 reached its end of support. Following Microsoft's messaging, all Altair 2026.0 applications no longer support Windows 10. Altair is providing this information to help our customers accommodate this change. Altair 2026.0 supports the Windows 11 operating system, along with our other Linux-based operating systems. Please contact your local Altair support team if you have any questions or concerns.

Platforms			**Altair HyperWorks 2026**	
OS	**Version**	**Architecture**	**GUI Products**	**Solvers**
Windows	11	x86_64	YES	YES
Linux	RHEL / CIQ Rocky Linux 9.4	x86_64	YES	YES

Important: For Linux users, RHEL or CIQ Rocky Linux 9.4 or higher is **required** to install and run HyperWorks 2026 products.

This change applies only to the HyperWorks 2026 release and future versions. Your existing installations of HyperWorks 2025.1 and earlier will continue to work unchanged on their currently supported operating systems.

For more information, please see this notice on Altair Community.

Note: Linux users must have OpenSSL 3.0 or later installed, as the OpenSSL libraries have been removed from our packaging.

*Altair One using Oracle Linux 9.4 is tested and supported, however it is not recommended.

RHEL= Red Hat Enterprise Linux

Linux

Altair HyperWorks products may install and run on other non-supported Linux distributions not mentioned or referred to in this documentation, but Altair does not test, certify, verify or warrant the reliability of the products on these platforms.

- Altair™ products are tested on Gnome Desktop Manager (GDM)
- Xen kernels are currently not supported kernels for Altair HyperWorks products
- VirtualGL and other third-party remote visualization tools are not officially supported by Altair HyperWorks products

Ultra High Definition (UHD)

- Our recommended HD setting is 1080p for FHD and our Ultra HD setting is 2160p.
- Java based tools within our products may still show some scaling issues under Ultra HD resolution.

Installation Media

The Altair HyperWorks 2026 software package you received from Altair includes a set of DVDs or a USB thumb drive containing Altair HyperWorks 2026, the Altair License Manager and documentation.

The software is available for registered customers to download from Altair One Marketplace.

Download the images for the platforms on which you expect to launch Altair HyperWorks products. There are 22 packages required for a complete Altair HyperWorks installation on Windows, and 15 for Linux. Here is an example list of the Altair HyperWorks Products Installer and product sub-installers for Windows:

1. Altair HyperWorks Products Installer
2. Altair HyperWorks Desktop
3. Altair HyperWorks Desktop Help
4. Altair SimLab
5. Altair SimSolid
6. Altair Feko
7. Altair Flux
8. Altair Mechanical Solvers
9. Altair Mechanical Solvers Help
10. Altair CFD Solvers
11. Altair CFD Solvers Help
12. Altair Virtual Wind Tunnel ultraFluidX (for HyperMesh CFD only)
13. Altair Twin Activate
14. Altair Compose
15. Altair EDEM
16. Altair Inspire
17. Altair Inspire Cast
18. Altair Inspire Extrude
19. Altair Inspire Form
20. Altair Inspire Mold
21. Altair Inspire PolyFoam
22. Altair ConnectMe

The three Help sub-installers together make up a complete Altair HyperWorks 2026 Help installation.

Altair Xpress Installers

HyperMesh CFD, HyperMesh Desktop, Twin Activate and all Inspire products use the Altair Xpress installation process. These installers will download all required components and guide you through the installation process.

HyperMesh CFD is unique because it installs multiple products (CFD Solvers, HyperMesh Desktop, and Virtual Wind Tunnel). HyperMesh Desktop and Twin Activate are compatible with the HyperWorks Products Installer, but HyperMesh CFD and all the Inspire installers are not. All Xpress installers can be installed silently, and Linux console mode is supported as well.

You may need to disable or adjust your firewall settings if you encounter issues during the download process. Alternate installers are available on Altair One Marketplace for all Xpress installers. The alternate installers are zip files that contain a product installer, as well as any other files needed for installation. You only need to run the main product installer, and it will automatically install the additional modules and components. For HyperMesh CFD, the HyperWorks Products Installer will be included in the zip file, and can be used to install the set of products. You will be able to use the alternate installers in highly secure environments, and environments where no internet connection is available. Please consult the specific installation guide for the product you are installing for step-by-step instructions and advanced installation options.

USB Hardware Keys (License Dongles)

Altair supports a subset of the available HOSTID values from X-Formation as well as hardware license dongles (USB keys) on some platforms. In order to use a dongle, you must have a free/open USB port on the machine that will be your license server.

If you have purchased a hardware dongle to use for licensing, you must obtain the dongle ID via the software before requesting your license file. Hardware dongles are supported on Windows and Linux platforms.

In order for the dongle to function properly, you must first install the correct drivers for your platform. These drivers are available from Aladdin, the manufacturer of the key. Download and install the driver according to the directions available at the following URL:

https://supportportal.gemalto.com/csm?id=kb_article_view&sys_kb_id=40570ee9db9ea78cfe0aff3dbf9619f7&sysparm_article=KB0018316

Once the driver is installed and the dongle is in place, use the `almutil -hostid` command to query for all the HOSTIDs on the machine and report the dongle HOSTID.

Configure Non-US Keyboards

Instructions for your operating system to install a local keyboard configuration.

Altair HyperWorks products ship with the keyboard configuration set for a US keyboard. Other countries (Germany, for example) use extended keyboards to generate native characters not present in the US ASCII character set.

- Configure non-US keyboards on Windows 10/11.
  a) Open the **Control Panel**.
  b) Select **Clock and Region**.
  c) Select **Change date, time, or number formats**.
  d) Click **Language preferences**.

Download from Altair One Marketplace

Instructions on how to download Altair products from Altair One Marketplace.

Before you begin, go to the Altair One Marketplace site in a web browser and log in.

1. Type the name of the product in the search box and press Enter.
2. In the right pane on the screen, click the **Download** tab.
3. From the Suite Version drop-down menu, select a suite version.
4. From the Operating System drop-down menu, select a platform.
5. Click **Download** to the right of each software package you would like to download. The Altair HyperWorks Products Installer and other products are listed under Related Downloads.

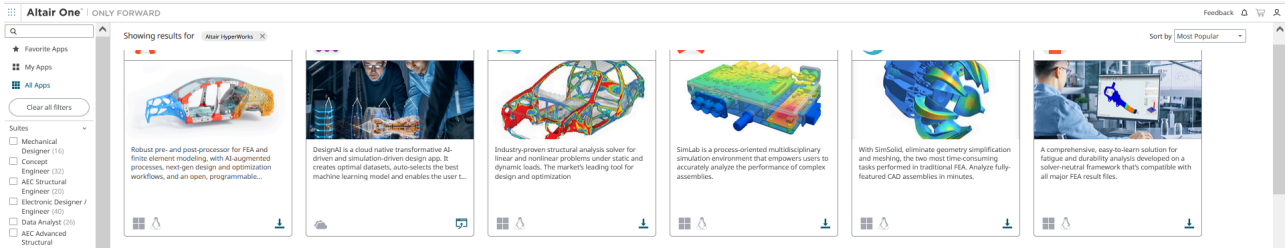


Figure 1:

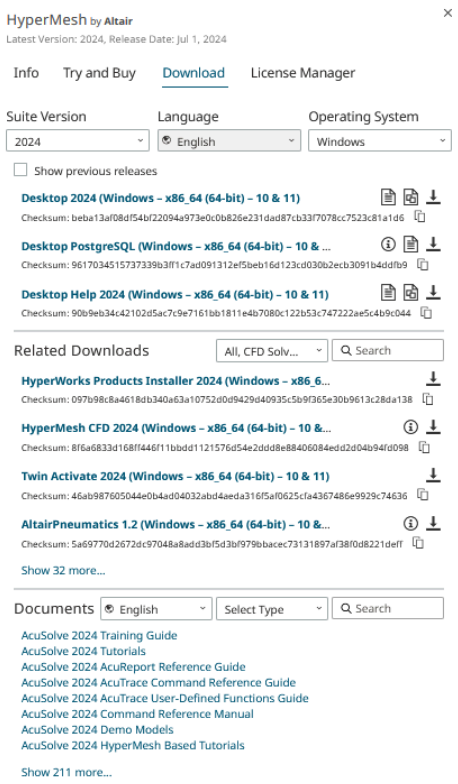


Figure 2:

Download Model Files

You can find the required model files on Altair One via Altair Community and Altair Marketplace sites.

Altair recommends that you create an Altair One account and use it as your primary portal to access product downloads, documentation, a Knowledge Base, and customer support.

1. Go to any of the following Altair One sites to download model files (tutorials and demos):
   - Altair Community: Click the **Documentation** link, choose filter options, and select **Model** as the Output Type.
   - Altair Marketplace: Search for and select the product you want, click the **Download** tab, and in the **Select Type** list, select the applicable model file option.

   Tip: You must unzip the model files before proceeding with the tutorials. When extracting zipped files, preserve any directory structure included in the file package.

2. If required, enter your username and password.

   Note: If logging in for the first time, click **Need help signing in?** to create an account, and follow the instructions on the Altair One site.

Install Altair HyperWorks

3

Instructions for installing Altair HyperWorks.

This chapter covers the following:

- Install Altair HyperWorks: Local Installation (p. 21)
- Install Altair HyperWorks: Client/Server Installation (p. 38)

Two procedures are necessary to enable Altair HyperWorks. First, using the installation configuration you selected in Prepare to Install Altair HyperWorks Products as a guide, install the Altair HyperWorks software on your machine(s). Secondly, you must be able to point to an activated license server that allows Altair HyperWorks applications to draw license units.

> **Important:** You should not mix installers of different minor release versions, for example – 2026.1 with 2026 installers, updates, and hotfixes.

Altair HyperWorks 2026 can be installed via a Graphical User Interface (GUI) mode, silent mode, or console mode. The following sections describe how to install the software via each method.

The Altair HyperWorks 2026 Help is a browser-based HTML system that uses ActiveX on Windows and Java Script on Linux. It can be installed with the applications or installed alone behaving as an online help server.

For Help installations on a network server, make sure to have the Help UNC or network path prior to running the installer. You will be prompted for this information during the install.

Install Altair HyperWorks: Local Installation

Installation Files

Altair HyperWorks 2026 has the ability to install the individual product installers separately from one another, referenced as *sub-installers* in this document, while also giving you an option to install all of them at once via the Altair HyperWorks Products Installer in a batch-like mode (recommended).

The Windows installers have added the Altair Engineering, Inc. digital signatures for enhanced security.

Reference Table 1 for specific file names and details on the product groups per individual sub-installers.

The Altair HyperWorks Products Installer, for example `hw2026_win64.exe` for Windows, is a quick and easy setup installer allowing for various combinations of the independent sub-installers to be installed at one time. It is done without the need to wait for all the packages to extract prior to setting up the installation, which should allow for a quick setup to install a complete Altair HyperWorks 2026 installation. Using the Altair HyperWorks Products Installer is the recommended method for installing Altair HyperWorks 2026 products.

Table 1: Altair HyperWorks 2026 Installer File Names

Installer Name	Description
`hw2026_win64.exe` `hw2026_linux64.bin`	Master Installer (Altair HyperWorks Products Installer) is used to setup and install separate individual Altair HyperWorks products simultaneously. You can select which products to install, or install them all at once.
`hwCFDSolvers2026_win64.exe` `hwCFDSolvers2026_linux64.bin`	Installer of the CFD Solvers suite of products (includes AcuSolve and nanoFluidX on Windows and Linux, and ultraFluidX on Linux).
`hwDesktop2026_win64.exe` `hwDesktop2026_linux64.bin`	Xpress installer of the HyperWorks Desktop suite of products (includes most GUI applications, such as HyperView, HyperMesh, HyperGraph, HyperStudy, and so on).
`hwSolvers2026_win64.exe` `hwSolvers2026_linux64.bin`	Installer of the Mechanical Solvers suite of products (includes Radioss, OptiStruct, MotionSolve, and so on).
`hwCFDSolversHelp2026_win64.exe`	Installer of the CFD Solvers Help content.

Installer Name	Description
`hwCFDSolversHelp2026_linux64.bin`	
`hwDesktopHelp2026_win64.exe` `hwDesktopHelp2026_linux64.bin`	Installer of the HyperWorks Desktop Help content.
`hwSolversHelp2026_win64.exe` `hwSolversHelp2026_linux64.bin`	Installer of the Mechanical Solvers Help content.
`hwFeko2026_win64.exe` `hwFeko2026_linux64.bin`	Installer for Feko and WinProp GUI and solver products.
`hwFlux2026_win64.exe` `hwFlux2026_linux64.bin`	Installer for Flux and FluxMotor GUI and solver products.
`hwVirtualWindTunnelUltraFluidX2026_win64.exe` `hwVirtualWindTunnelUltraFluidX2026_linux64.bin`	The Virtual Wind Tunnel for ultraFluidX installer is only needed for HyperMesh CFD.

`AltairSimLab2026_win64.exe`
`AltairSimLab2026_linux64.bin`
`SimLab2026_Additionals_Windows.zip`
	Installer of the SimLab product. Refer to the SimLab installation guide for additional details.

`AltairSimSolid2026_win64.exe`	Installer of the SimSolid product. Refer to the SimSolid installation guide for additional details.
`AltairTwinActivate2026_win64.exe` `AltairTwinActivate2026_linux64.bin`	Xpress installer of the Twin Activate product.
`AltairCompose2026_win64.exe` `AltairCompose2026_linux64.bin`	Installer of the Compose product.
`AltairEDEM2026_win64.exe` `AltairEDEM2026_linux64.bin`	Installer of the EDEM product.
`AltairInspire2026_win64.exe` `AltairInspire2026_linux64.bin`	Xpress installer of the Inspire product.
`AltairInspireCast2026_win64.exe`	Xpress installer of the Inspire Cast product.

Installer Name	Description
`AltairInspireExtrude2026_win64.exe`	Xpress installer of the Inspire Extrude products.
`AltairInspireForm2026_win64.exe`	Xpress installer of the Inspire Form product.
`AltairInspireMold2026_win64.exe`	Xpress installer of the Inspire Mold product.
`AltairInspirePolyFoam2026_win64.exe`	Xpress installer of the Inspire PolyFoam product.
`AxhwHyperMeshCFD2026_win64.exe` `AxhwHyperMeshCFD2026_linux64.bin`	Xpress installer of the HyperMesh CFD set of products.
`hwConnectMe2026_win64.exe`	Installer of the ConnectMe tool.

To install Help along with the application, download and place the Help sub-installers `hwDesktopHelp`, `hwSolversHelp`, and `hwCFDSolversHelp` files, which are executable files on Windows and bin file types on Linux, in the same directory as the Altair HyperWorks Products Installer. In Altair HyperWorks 2026, Help packages can be installed independently.

Note: You can find and download tutorial model files on Altair One via the Altair Community and Altair Marketplace sites.

Install Altair HyperWorks via GUI Mode

Windows (Local) Installation

Complete the following steps to extract and install the software.

1. Log in to the machine on which the software is to be installed, then insert the USB/DVD, or place the downloaded files in a temporary directory.
   Example of a directory with all the required sub-installers for a complete Altair HyperWorks 2026 installation on a Windows 64-bit platform, with the Altair HyperWorks Products Installer highlighted:

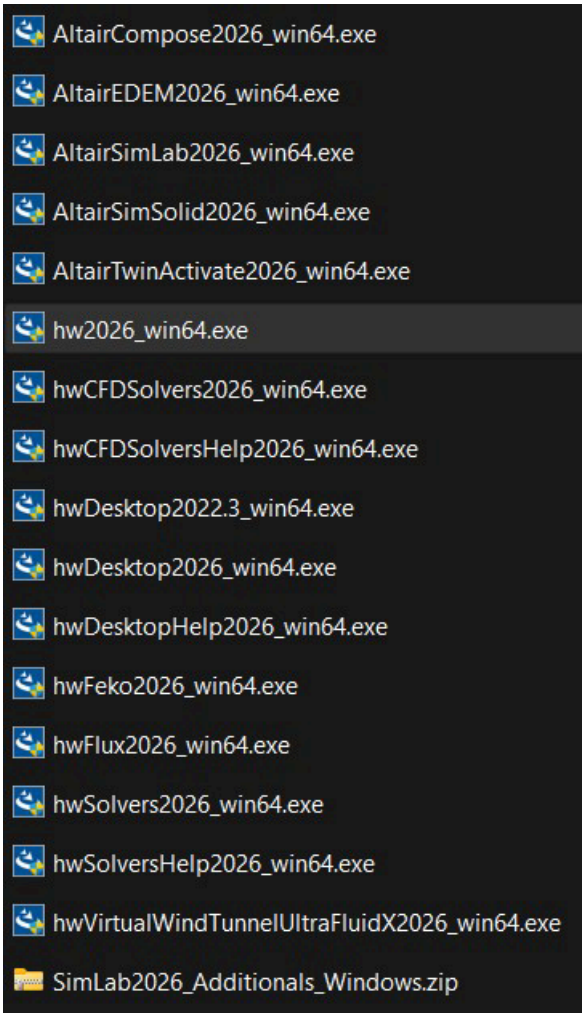


Figure 3:

Each local help installation can be done independently, and you do not need to install multiple Help packages together. You can also install help without using the Altair HyperWorks Products Installer.

> **Note:** Make sure that the downloaded files have "read + execute" permissions before continuing with an installation. Use Windows Explorer file properties to change the permissions.

2. Double-click the `hw2026_win64.exe` Altair HyperWorks Products Installer executable file to start the installer.
3. If UAC (User Account Control) is enabled, then a prompt displays showing the Altair Engineering, Inc. digital signature for elevated permissions. Click **Yes** to continue with installer.

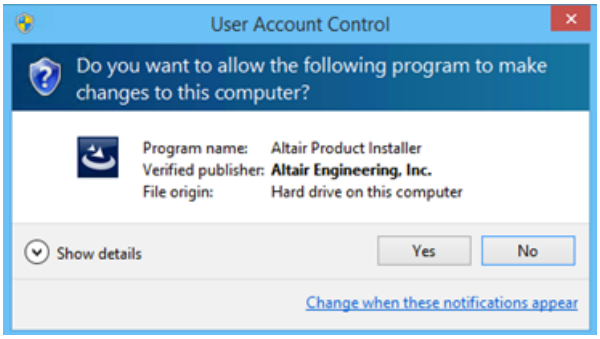


Figure 4:

4. In the multi-language selector prompt, select the proper locale and click **OK** to continue.

   The default locale setting is specific to the install machine regional settings. The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.
5. In the **License Agreement** panel, review the agreement, select the **I accept the terms of the License Agreement** check box, and click **Next** to proceed.
6. In the **Introduction** panel, click **Next** to continue.
7. In the **Choose Installation Type** panel, choose **Local** and click **Next**.
8. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and click **Next**.

   Note:
   - The installer does not allow the use of characters # and ;
   - Installing to a root drive is not permitted, for example C:\
9. In the **Change Shortcut Folder (Local)** panel, choose a Start Menu name for the Altair HyperWorks install and select whether desktop shortcuts are created. There are options on this panel to associate Altair HyperWorks file types to products, install ConnectMe, and to generate thumbnail previews for HyperMesh files. These options are selected by default. Once options are chosen, click **Next** to continue.
10. In the **Choose Install Set** panel, select the products to install. Click **Next** to continue.

    You can now install compatible hotfixes, that are not selected by default, for HyperWorks Desktop, Mechanical Solvers, CFD Solvers, and Flux as well.

    Install Sets, which group products by discipline, can be accessed using the **Install Set** drop-down menu. Selecting an Install Set picks the products that are part of that set.

    Products that do not have sub-installer present or were not picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

    Note: Help installers and hotfixes will only be displayed if present.

> **Note:** You can no longer install a different version of an already installed product to the same location (for example, HyperWorks Desktop 2026.1 on top of HyperWorks Desktop 2026).

11. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Click **Next** to continue.
12. If Desktop 2022.3 was selected to be installed, the **Change 2022.3 Shortcut Folder (Local)** panel is displayed. You must choose a different shortcut folder than 2026. Click **Next** to continue.
13. If Help was NOT selected to be installed, the **Help Configuration** panel is displayed. Select one of the options:
    - Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
    - Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
    - Choose **Set up Later** to allow for a post Help install over the current installation. This option defaults to the website help if an existing help configuration file is not present.
14. In the **Set up Licensing** panel, your current license is displayed. Select one of the following options:
    - Choose **Enter license server** to input the license server (port@host) or choose a license file.
    - Choose **Skip this step** if you do not want to change your license settings at this time.
15. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Click **Install** to continue.

    > **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.
16. Once the installation completes, click **Done** to exit the installer.

Linux Installation

Complete the following steps to extract and install the software.

Altair HyperWorks install directories with spaces are not supported on Linux.

1. Run the shell command `sh` with the installer binary as an argument.
2. In the multi-language selector prompt, select the proper locale and click **OK** to continue.

   The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.
3. In the **License Agreement** panel, review the agreement, select the **I accept the terms of the License Agreement** check box, and click **Next** to proceed.

4. In the **Introduction** panel, click **Next** to continue.
5. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and click **Next**.

   Note:
   - The installer does not allow the use of characters # and ;
   - Installing to a root drive is not permitted, for example /

6. In the **Choose Install Set** panel, select the products to install. Click **Next** to continue.

   You can now install compatible hotfixes, that are not selected by default, for HyperWorks Desktop, Mechanical Solvers, CFD Solvers, and Flux as well.

   Install Sets, which group products by discipline, can be accessed using the **Install Set** drop-down menu. Selecting an Install Set picks the products that are part of that set.

   Products that do not have sub-installer present or were not picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

   Note: Help installers and hotfixes will only be displayed if present.

   Note: You can no longer install a different version of an already installed product to the same location (for example, HyperWorks Desktop 2026.1 on top of HyperWorks Desktop 2026).

7. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Click **Next** to continue.
8. If Help was NOT selected to be installed, the **Help Configuration** panel is displayed. Select one of the options:
   - Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
   - Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
   - Choose **Set up Later** to allow for a post Help install over the current installation. This option defaults to the website help if an existing help configuration file is not present.

   Note: A valid Linux web browser will need to also be defined in this panel (HW_MSG_BROWSER).

9. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Click **Install** to continue.

> **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.

10. Once the installation completes, click **Done** to exit the installer.

Register the Altair HyperView Player Plugin

Instructions for manually registering the latest Altair HyperView Player Plugin in the case of multiple HyperView/HyperView Player installations. For Altair HyperWorks 2026, the registration will occur at the time of installation as long as the user running the installer is an administrator. You can bypass the registration by setting `BYPASS_HVP_REGISTRATION=ON` before running the installer.

The HyperView Player plugin for Microsoft Office documents is installed and registered by default with the HyperView Player installation.

1. Click **Start** > **Altair 2026** > **Tools**.
2. Right-click on **Register HVPControl** and select **Run as administrator**.
3. Invoke the currently installed HyperView Player either using the Start Menu shortcut, or from the following location: `<InstallDirectory>\hwdesktop\hw\bin\win64\hvp.exe`

On Linux, please reference the web or local Help section for detailed information.

Install Altair HyperWorks via Console Mode

Console mode installations mimic the default Graphical User Interface steps provided by the Altair HyperWorks installer but use only the standard input and output.

The advantage to console mode installation is that Linux users no longer need X-windows (X11) to run the installer.

Console mode allows for text to be output to the console terminal line-by-line. It does not allow for any formatting, clearing of the screen, or positioning of the cursor.

To trigger a console mode installer from the command line, append the following command parameter to the installer: `-i console`.
Example console mode install call:

```
hw2026_linux64.bin -i console
```

The Linux console mode is only supported on the Altair HyperWorks Linux installers. Just follow the on screen instructions to complete the installation.

Install Altair HyperWorks via Console Mode on Linux

1. Open a command terminal window/prompt.
   a) `cd` – change directory – to the location where the installer executable resides.
   b) Execute the `sh` command on the installer binary with the additional parameter "-i console", for example `sh hw2026_linux64.bin -i console` .

   The Altair HyperWorks installer extracts the JVM (Java Virtual Machine) and the install modules to the TMP location of the machine and launches the installer.

```
sh hw2026_linux64.bin

Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...
```

   Note: If the `/tmp` location on the machine is full, the installer will try to use the user's home folder for temp files or the user can set the environment variable IATEMPDIR to a custom specified TMP location.

2. In the multi-language selector prompt, select the proper locale and press **Enter** to continue.

   The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.



3. In the **License Agreement** panel, hit any key and press **Enter** to advance, or type `0` and press **Enter** to proceed to the acceptance of the license agreement. Type `Y` and press **Enter** to accept the agreement.
4. In the **Introduction** panel, press **Enter** to continue.
5. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and press **Enter**.

   Note:
   - The installer does not allow the use of characters # and ;
   - Installing to a root drive is not permitted, for example /

6. In the **Choose Install Set** panel, choose the products you wish to unselect and enter the number in the line provided and press **Enter**. The "X" next to the product selects it to be installed. By default, all the available full products are selected and marked to be installed. You can now install

compatible hotfixes, that are not selected by default, for Altair HyperWorks Desktop, Mechanical Solvers, CFD Solvers, and Flux as well. Products which do not have a sub-installer present or picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

Note: Help installers and hotfixes will only be displayed if present.

```
Choose Install Set


ENTER A COMMA_SEPARATED LIST OF NUMBERS REPRESENTING THE FEATURES YOU WOULD
LIKE TO SELECT OR DESELECT. TO VIEW A FEATURE'S DESCRIPTION,
ENTER '?<NUMBER>'. PRESS <RETURN> WHEN YOU ARE DONE:
1- [X] HyperWorks Products
2-         |-[X] Desktop v2026
3-         |-[X] HyperMesh CFD v2026
4-         |-[X] Desktop v2022.3
5-         |-[X] Desktop Local Help v2026
6-         |-[X] SimLab v2026
7-         |-[X] Feko v2026
8-         |-[X] Flux v2026
9-         |-[X] Solvers v2026
10-           |-[X] Altair Manufacturing Solver
11-           |-[X] HyperLife
12-           |-[X] HyperXtrude
13-           |-[X] MotionSolve
14-           |-[X] Multiscale Designer
15-           |-[X] OptiStruct
16-           |-[X] Radioss
17-           |-[X] SEAM
18-        |-[X] Solvers Local Help v2026
19-        |-[X] CFD Solvers v2026
20-        |-[X] CFD Solvers Local Help v2026
21-        |-[X] Twin Activate v2026
22-        |-[X] Compose v2026
23-        |-[X] EDEM v2026

Press <ENTER> to install above selected features or choose the corresponding
number to change the feature selection:
```

7. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Press **Enter** to continue.
8. If Help was NOT selected, to be installed, the **Help Configuration** panel is displayed. Select one of the options:
   - Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
   - Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
   - Choose **Set up Later** to allow for a post Help install over the current installation. This option will default to the website help if you do not have an existing help configuration file.
9. In the **Choose Web Browser for Help** panel, input the path of the web browser to use with Altair HyperWorks help. Press **Enter**.

10. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Press **Enter** to continue.

> **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks Products sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.

11. Once the installation completes, press **Enter** to exit the installer.

Install Altair HyperWorks via Silent Mode

Silent mode enables the installer to run without any user interaction.

A near-silent mode is possible on Windows.

InstallAnywhere and Altair HyperWorks end-user-defined variables may be set through command line parameters or a properties response file.

Response files are used in silent mode since there is no end user interaction.

The installer runs either on the defaults provided by the installer package or by providing a response file from which the installer retrieves the values for various InstallAnywhere and Altair HyperWorks variables used to control the install.

The installer automatically checks the residing directory for a file called `installer.properties`, however, this file name and type is NOT supported by the Altair HyperWorks installers and cannot reside in the same folder as our installs.

The response file will need a unique name in order to work properly with the Altair HyperWorks installers, example, `hw2026_installer.properties`, will work with the Altair HyperWorks installer.

> **Note:** For Altair HyperWorks 2026, you will need to have `ACCEPT_EULA=YES` in your properties file or specify `-DACCEPT_EULA=YES` at the command line, or the installers will not run. This variable will not automatically get added to a response file, it must be added manually.

You can generate a response file from the installer by running through the installer with the following command line syntax:

```
-r "[FullPath]\hw2026_installer.properties"
```

The file will get created once the installer is complete. To trigger a silent installer from the command line, type the following:

```
[InstallerName] -i silent -DACCEPT_EULA=YES
```

You may also call a properties response file from the command line by typing:

```
[InstallerName] –i silent –f “[FullPath]\hw2026_installer.properties” -
DACCEPT_EULA=YES
```

An example of running a silent install using a properties response file located in `C:\ResponseFiles` called `hw2026_installer.properties` on Windows:

```
hw2026_win64.exe –i silent –f "C:\ResponseFiles\hw2026_installer.properties" -
DACCEPT_EULA=YES
```

Note: Use quotes around any directory and pathnames that may contain spaces.

Response Files

Response files are used with the silent mode installers to give the default values of an install that includes local help.

The files contain text in a simple key=value format.

```
#Choose Installation Type
#-------------------------
LOCAL_INSTALLATION=1
SERVER_INSTALLATION=0

#Choose Install Folder
#---------------------
USER_INSTALL_DIR=C:\\Program Files\\Altair\\2026
#Change Shortcut Folder (Local)
#------------------------------
SET_START_MENU_FOLDER=Altair 2026
INSTALL_DESKTOP_SHORTCUTS=0
DONOT_INSTALL_DESKTOP_SHORTCUTS=1
CREATE_HWD_FA=1
DONOT_CREATE_HWD_FA=0
CREATETHUMBNAILSCHKD=1
INSTALL_CME=1

#Choose Install Set
#------------------
CHOSEN_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,MOTIONSOLVE,MULTISDESGR,OPTISTRUCT,
RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,ALTRCMP,EDEM,SIMSOLID,HWDCLASSIC,HMCFD,HYPERLIFE

#Install Folder for Desktop 2022.3
#---------------------------------
USER_INSTALL_DIR_CLASSIC=C:\\Program Files\\Altair\\2022.3

#Change 2022.3 Shortcut Folder (Local)
#-------------------------------------
USER_SHORTCUTS_CLASSIC=Altair 2022.3
INSTALL_DESKTOP_SHORTCUTS_CLASSIC=0
DONOT_INSTALL_DESKTOP_SHORTCUTS_CLASSIC=1

CHOSEN_INSTALL_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,MOTIONSOLVE,MULTISDESGR,
OPTISTRUCT,RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,ALTRCMP,EDEM,SIMSOLID,HWDCLASSIC,HMCFD,HYPERLIFE

CHOSEN_INSTALL_SET=Custom

#Command Line Feature List #-------------------------
CL_CHOSEN_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,MOTIONSOLVE,MULTISDESGR,
OPTISTRUCT,RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,ALTRCMP,EDEM,SIMSOLID,HWDCLASSIC,HMCFD,HYPERLIFE

#Set up Licensing
#----------------
USER_INPUT_ADD_LIC=0
ALTAIR_LICENSE_PATH_VALUE=
USER_INPUT_SKIP_STEP=1
```

Figure 5: Example: Properties Response File

The values in the response files are all referenced from user input taken from an Altair HyperWorks install and used as default values toward future installs.

Note: The installer will use double backslashes "\\" on Windows platforms for the directory names.

Spaces should not be used between the VARIABLE=VALUE statements in the response files

Sample Response File with Descriptions of Variables

A sample pre-defined response file to be used with the Altair HyperWorks 2026 Installers.

Please make sure to use a unique name for the response file and not the general `installer.properties` file name structure, since the generic name is not supported in Altair HyperWorks installers.

```
# SAMPLE response file for Altair HyperWorks 2026 Windows installers
# Modifying the below variables will allow for customized installation of Altair
 HyperWorks
# Replay feature output
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.
# Binary format is used to activate and deactivate variables - 1 is "on" and 0 is
 "off"
# INSTALLER_UI sets the user interface and the options are console, GUI and silent
# The below example is using a silent install method INSTALLER_UI=silent
# Uninstall information only to be used with silent uninstalls are
 INSTALL_CLEANUP_ALL and FEATURE_UNINSTALL
# INSTALL_CLEANUP_ALL=1
# will set the uninstall to completely remove all files and folders from an install
 Note: backup any files before uninstalling
# FEATURE_UNINSTALL=COMPLETE
# This will uninstall all features installed. The only method used with the Altair
 HyperWorks product installer.
# Choose Installation Type - Setting this will variable to the appropriate option
 will install
# Altair HyperWorks as a local install compared to a server install.
#-------------------------
# The below example will install Altair HyperWorks as a local install
 LOCAL_INSTALLATION=1
SERVER_INSTALLATION=0
# Choose Install Folder - This is the location where the Altair HyperWorks
 installation will be placed.
# The directory will be created if it does not exist.
# Note: "\\" are always used to separate directory trees
#---------------------
# The below example will install Altair HyperWorks into the default location for a
 Windows install USER_INSTALL_DIR=C:\\Program Files\\Altair\\2026
#Change Shortcut Folder (Local) - This section will install Shortcuts for the Windows
 Start Menu and Desktop.
# The below example shows the default Start Menu directory and the Desktop shortcuts
 being installed as well.
#-----------------------------
SET_START_MENU_FOLDER=Altair 2026
INSTALL_DESKTOP_SHORTCUTS=1 DONOT_INSTALL_DESKTOP_SHORTCUTS=0 CREATE_HWD_FA=1
DONOT_CREATE_HWD_FA=0 CREATETHUMBNAILSCHKD=1 INSTALL_CME=1
#Choose Install Set - Installs the chosen Altair HyperWorks products, either Custom
 or Complete.
# This depends on the selection and the availability of the product installer package
#------------------
# IMPORTANT: The below CL_CHOSEN_FEATURE_LIST is a required variable in Altair
 HyperWorks 2026 installers
# and needs to be set to the same CHOSEN_FEATURE_LIST content.

CHOSEN_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,MOTIONSOLVE,
MULTISDESGR,OPTISTRUCT,RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,ALTRCMP,EDEM,SIMSOLID,
HWDCLASSIC,HMCFD,HYPERLIFE

CHOSEN_INSTALL_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,
MOTIONSOLVE,MULTISDESGR,OPTISTRUCT,RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,
```

```
ALTRCMP,EDEM,SIMSOLID,HWDCLASSIC,HMCFD,HYPERLIFE

CHOSEN_INSTALL_SET=Custom

#Command Line Feature List
#--------------------------
CL_CHOSEN_FEATURE_LIST=HW,HWD,HWDLH,SL,FEKO,Flux,SLVR,AMSOLVER,HYPERXTRUDE,MOTIONSOLVE,
MULTISDESGR,OPTISTRUCT,RADIOSS,SEAM,SLVRLH,CFDS,CFDSLH,ALTRATV,ALTRCMP,EDEM,SIMSOLID,
HWDCLASSIC,HMCFD,HYPERLIFE

# This is the list of the features, according to the Choose Install Set GUI panel
 picks
# HW - HyperWorks
# HWD - HyperWorks Desktop
# HFXHD - HyperWorks Desktop hotfix
# HMCFD - HyperMesh CFD (requires Virtual Wind Tunnel ultraFluidX installer)
# HWDCLASSIC - HyperWorks Desktop 2022.3
# HWDLH - HyperWorks Desktop local help
# SL - Altair SimLab
# SIMSOLID - Altair SimSolid
# FEKO - Altair Feko
# Flux - Altair Flux
# HFXFLUX - Altair Flux hotfix
# SLVR - Mechanical Solvers
# AMSOLVER - Altair Manufacturing Solver
# HYPERLIFE - HyperLife
# HYPERXTRUDE - HyperXtrude
# MOTIONSOLVE - MotionSolve
# MULTISDESGR - Multiscale Designer
# OPTISTRUCT - OptiStruct
# RADIOSS - Radioss
# SEAM - SEAM solver
# HFXHS - Mechanical Solvers hotfix
# SLVRLH - Mechanical Solvers local help
# CFDS - CFD Solvers
# HFXCFDS - CFD Solvers hotfix
# CFDSLH - CFD Solvers local help
# ALTRATV - Altair Twin Activate
# ALTRCMP - Altair Compose
# EDEM - Altair EDEM

#Help Configuration - this panel is to set Help options for populating the file
hwhelp.cfg, hwcfdsolvershelp.cfg, or hwsolvershelp.cfg in the install directory.
#------------------
# 0 is false/off and 1 is true/on in the variables below.
# The HELP_CONNECT_NETWORK will require the MW_MSG_HELP_WIN variable to be set.
#HELP_CONNECT_NETWORK=0
# Setting the HW_MSG_HELP_WIN variable will try to install the Help locally.
#HW_MSG_HELP_WIN=C:\\Program Files\\Altair\\2026\help\hwdesktop (or hwsolvers/
hwcfdsolvers)

# The HELP_CONNECT_ALTAIR variable, when active will point to the Altair Web Help -
internet connection required
#HELP_CONNECT_ALTAIR=1

# The HELP_SETUP_LATER will not set anything in the help configuration  file but will
 try to
access help from the Altair Web site when chosen.
#HELP_SETUP_LATER=0

#Set up Licensing - this panel allows you to check and modify your Altair license
 settings
#----------------
```

```
USER_INPUT_ADD_LIC=1
ALTAIR_LICENSE_PATH_VALUE=<licenseServerPort@Host>
USER_INPUT_SKIP_STEP=0
```

Install Altair HyperWorks: Client/Server Installation

Instruction for setting up the client machine if a server type installation is chosen.

Requirements for a NETSETUP client install include:

- Existence of an Altair HyperWorks network server install.
- The UNC paths of the location of the Altair HyperWorks network server installs (or use "Network" on Windows 11 to get to the NETSETUP client installer directory).

Twin Activate, Compose, ConnectMe, EDEM, Flux, Inspire products, and SimSolid are not available in the server-type installs.

Note: The installer does not allow for the use of drive letter or mapped drive letter paths.

Install Altair HyperWorks via GUI Mode

Client NETSETUP of an Altair HyperWorks network server install on Windows only.

The NETSETUP supports the GUI and silent installation modes. The example below is shown for a GUI NETSETUP client install.

1. From the File Explorer, go to **Network**.
2. Click on the machine and install location of the Altair HyperWorks server install.
3. Go to the **NETSETUP** folder.
4. Go to the **win64** folder.
5. Click on the `NETSETUP.bat` file.
   A command prompt terminal window will be displayed showing that the installer is unpacking on the client machines. The locale language selection prompt will then be displayed.
6. Select the locale language and click **OK** to continue.
   The Install Desktop Shortcuts options panel is displayed.
7. Make changes if needed and click **Next** to continue.
   The Set up Licensing panel is displayed.
8. Check your Altair license settings, and make changes if needed.
   The Pre-Installation Summary panel is displayed.
9. Review the summary and click **Install** to complete the Altair HyperWorks NETSETUP client install.
   The appropriate Start Menu and Desktop Shortcuts are created on the client machine.
10. Once it completes, click **Done** to exit the Install wizard.

Windows (Server Mode) Installation

Complete the following steps to extract and install the software.

1. Double click the installer executable file to start the installer.
2. If UAC (User Account Control) is enabled, then a prompt displays showing the Altair Engineering, Inc. digital signature for elevated permissions. Click **Yes** to continue with installer.

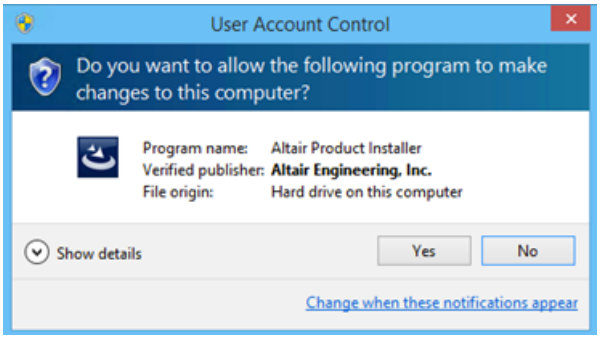


Figure 6:

3. In the multi-language selector prompt, select the proper locale and click **OK** to continue.

   The default locale setting is specific to the install machine regional settings. The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.

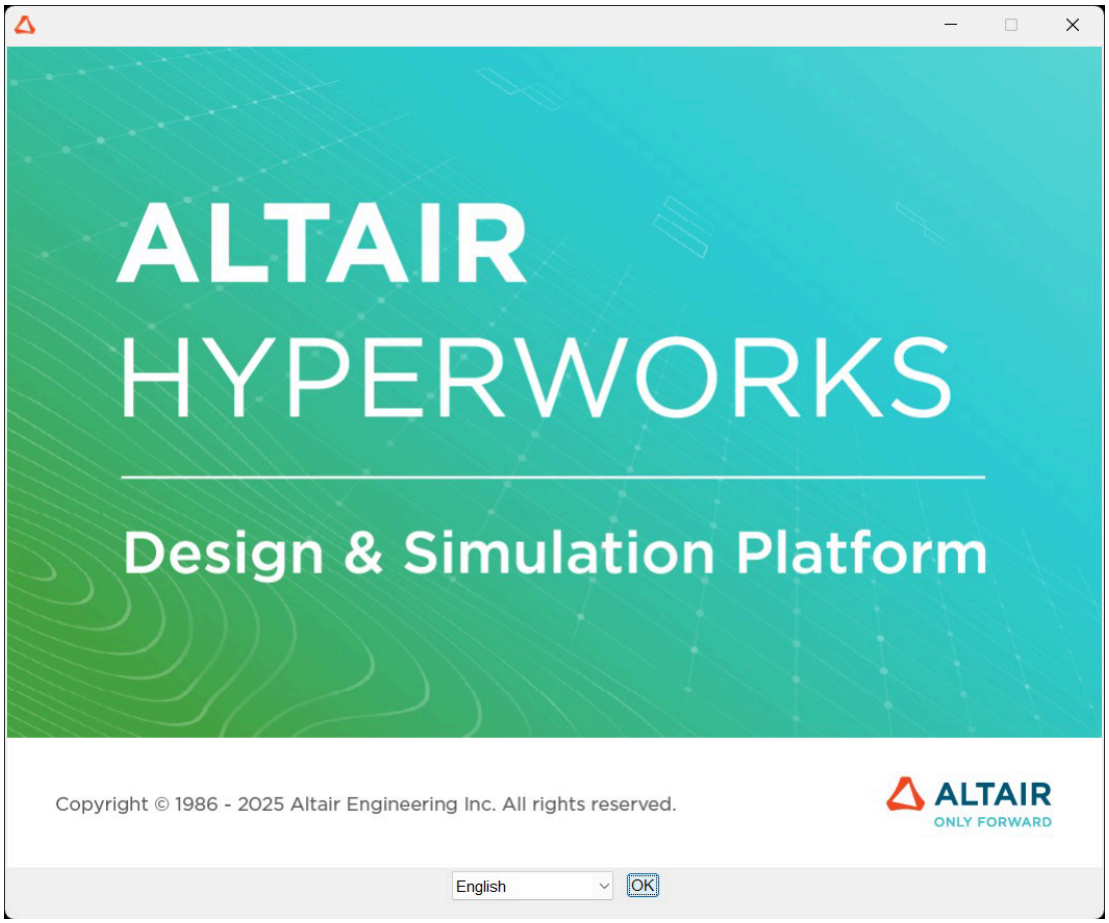


Figure 7:

4. In the **License Agreement** panel, review the agreement, select the **I accept the terms of the License Agreement** check box, and click **Next** to proceed.

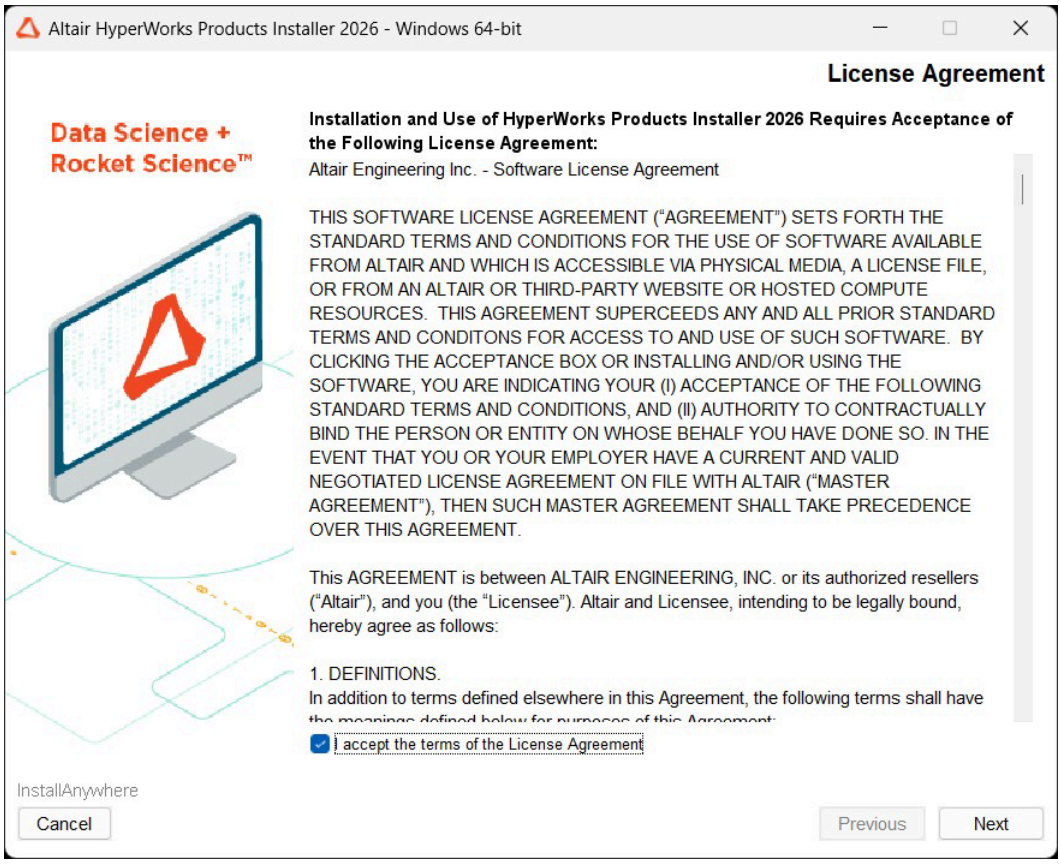


Figure 8:

5. In the **Introduction** panel, click **Next** to continue.

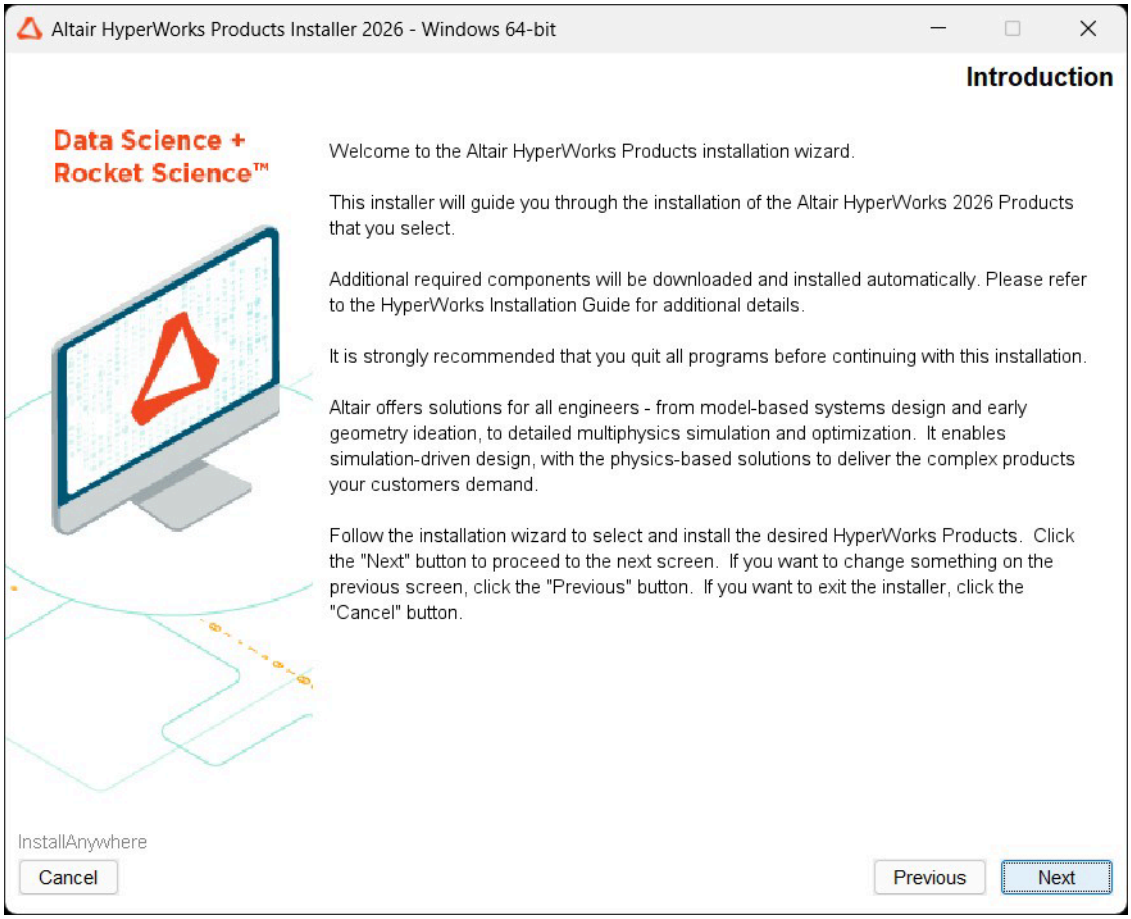


Figure 9:

6. In the **Choose Installation Type** panel, choose **Server** and click **Next**.

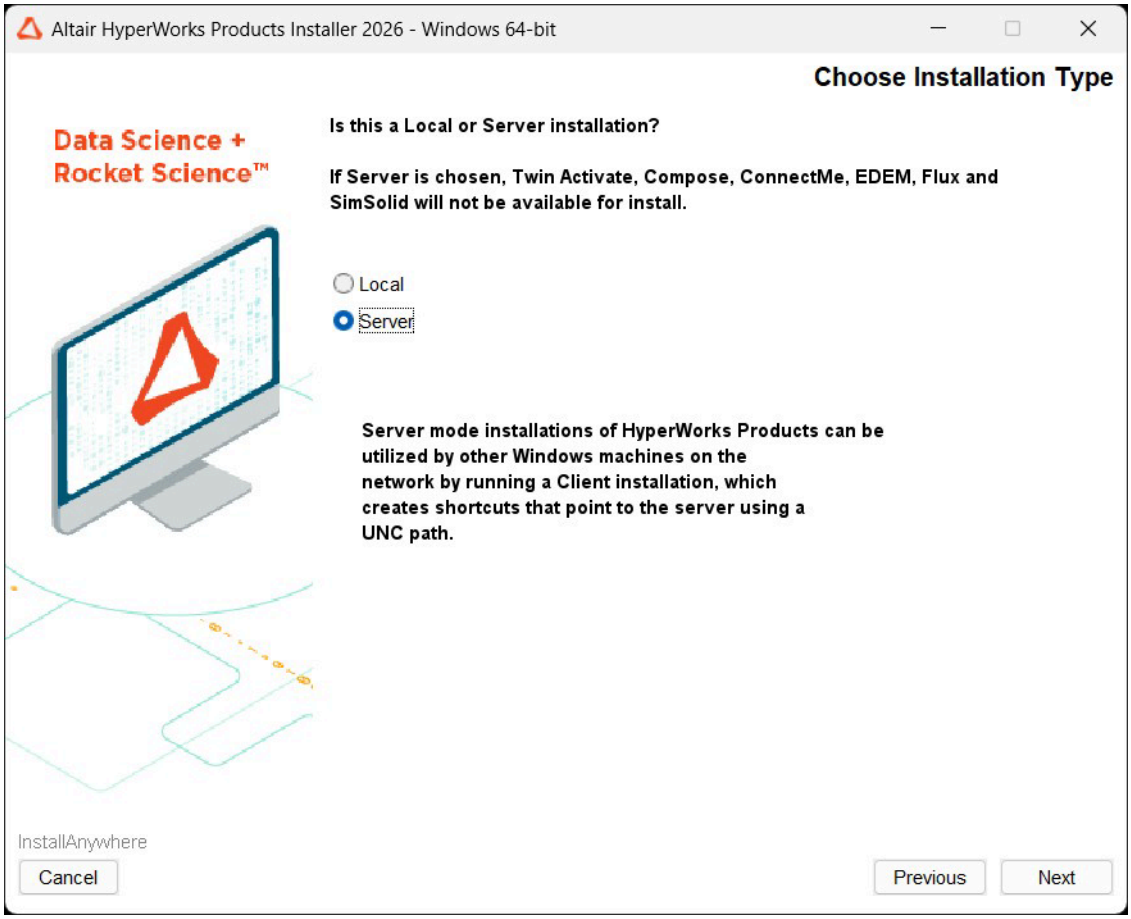


Figure 10:

7. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and click **Next**.

Note:

- The installer does not allow the use of characters # and ;
- Installing to a root drive is not permitted, for example C:\

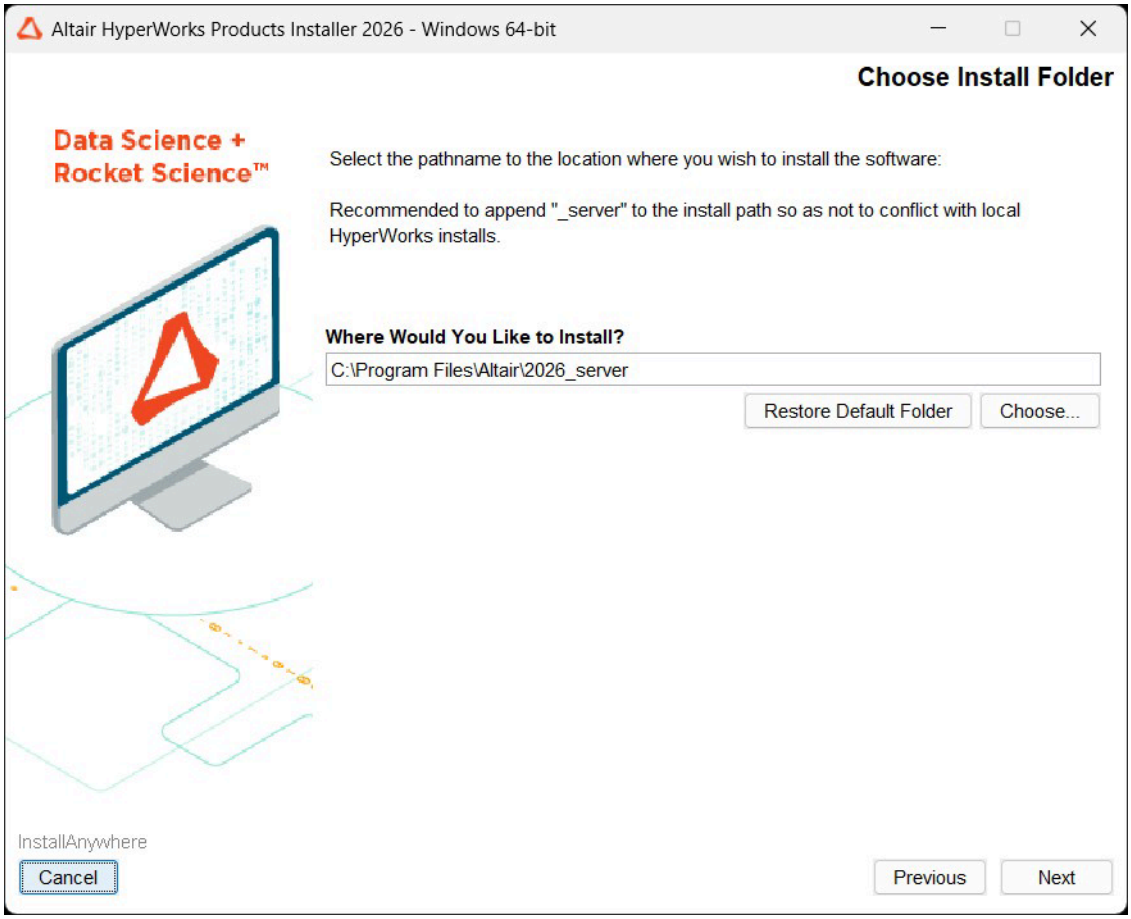


Figure 11:

8. In the **Choose Shortcut Folder (Server)** panel, choose a Start Menu name for the Altair HyperWorks install and select whether desktop shortcuts are created. Once options are chosen, click **Next** to continue.

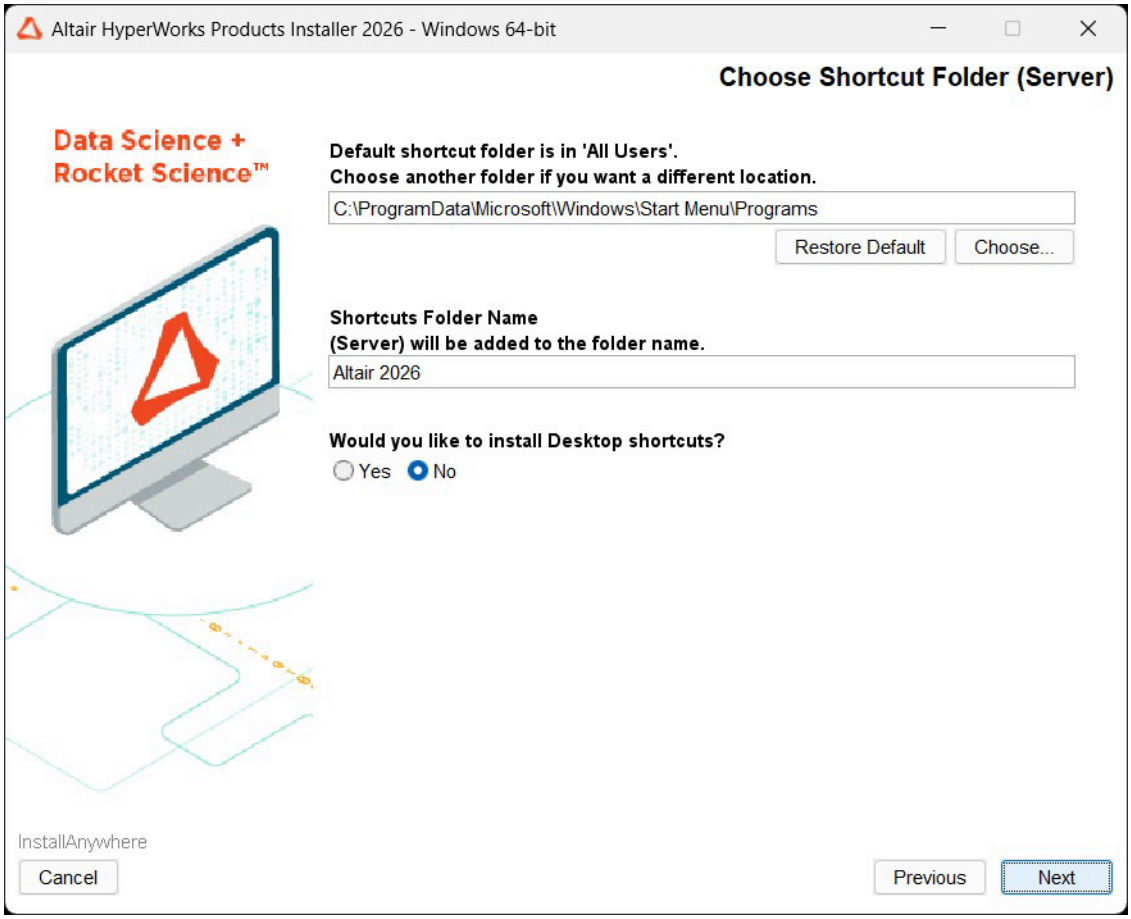


Figure 12:

9. In the **Choose Install Set** panel, select the products to install. Click **Next** to continue.

Install Sets, which group products by discipline, can be accessed using the **Install Set** drop-down menu. Selecting an Install Set picks the products that are part of that set.

Products that do not have sub-installer present or were not picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

Note: Help installers and hotfixes will only be displayed if present.

Note: You can no longer install a different version of an already installed product to the same location (for example, HyperWorks Desktop 2026.1 on top of HyperWorks Desktop 2026).

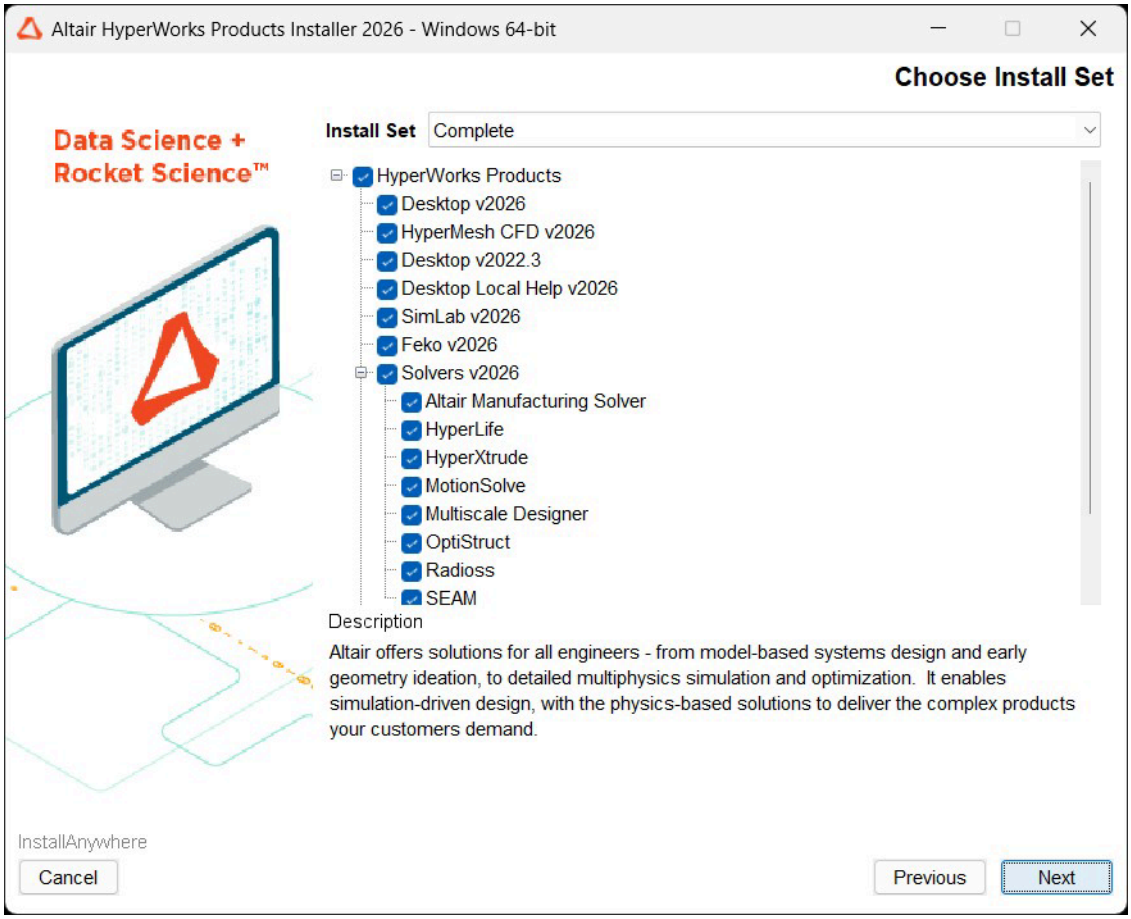


Figure 13:

10. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Click **Next** to continue.

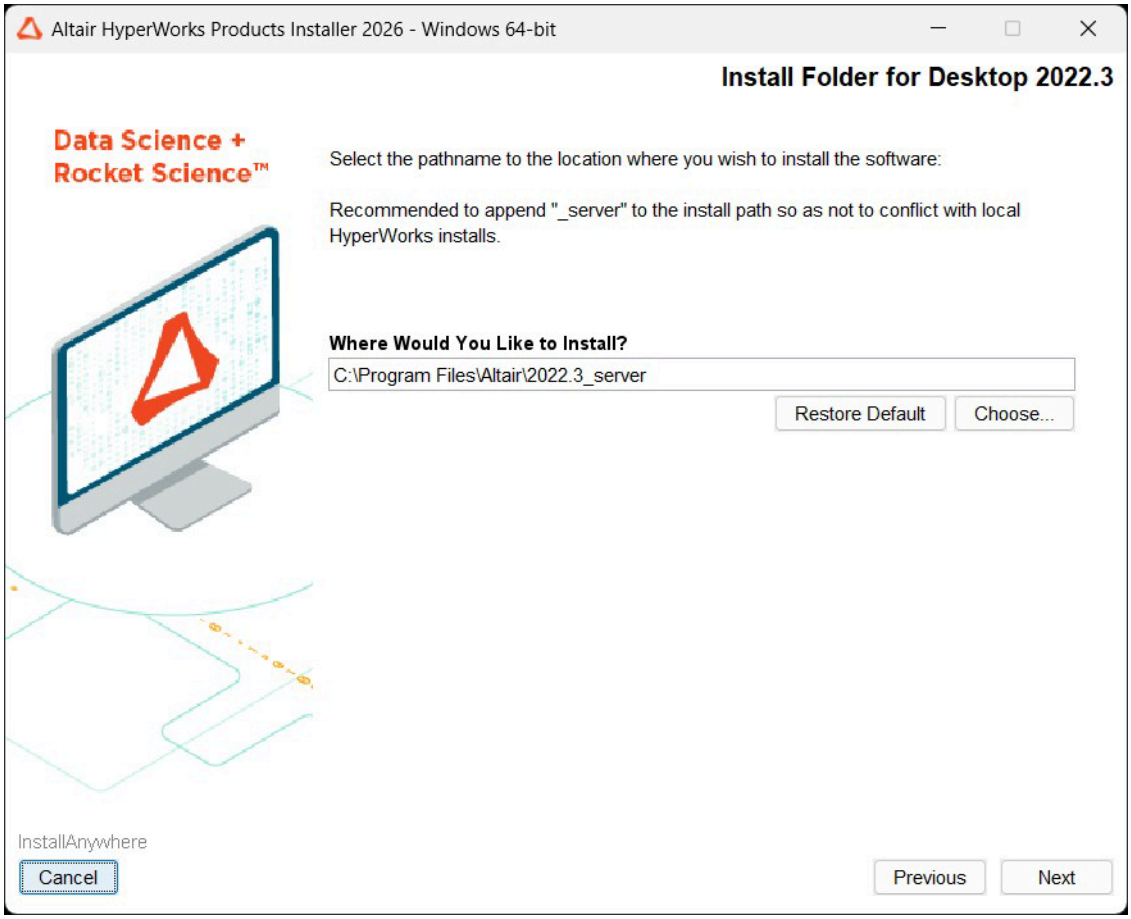


Figure 14:

11. If Desktop 2022.3 was selected to be installed, the **Choose 2022.3 Shortcut Folder (Server)** panel is displayed. You must choose a different shortcut folder than 2026. Click **Next** to continue.

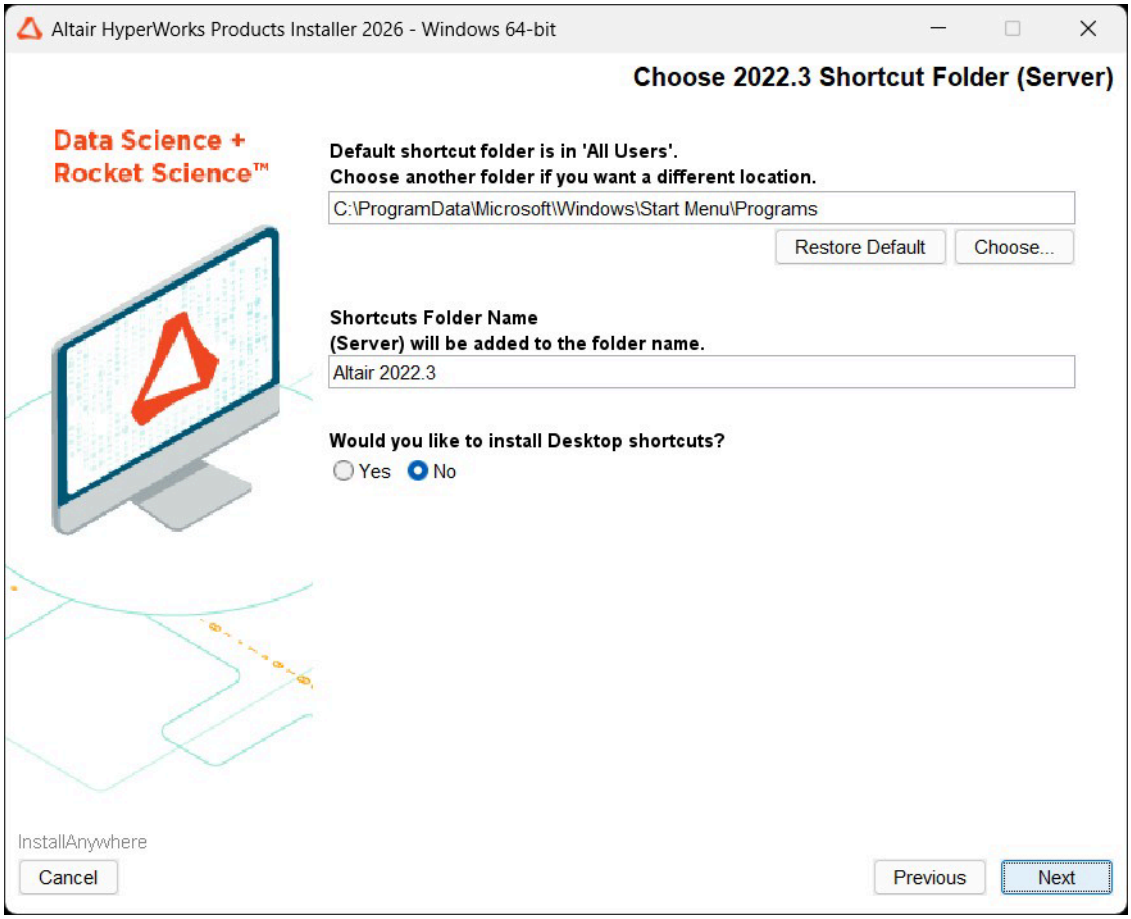


Figure 15:

12. If Help was NOT selected to be installed, the **Help Configuration** panel is displayed. Select one of the options:

- Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
- Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
- Choose **Set up Later** to allow for a post Help install over the current installation. This option defaults to the website help if an existing help configuration file is not present.

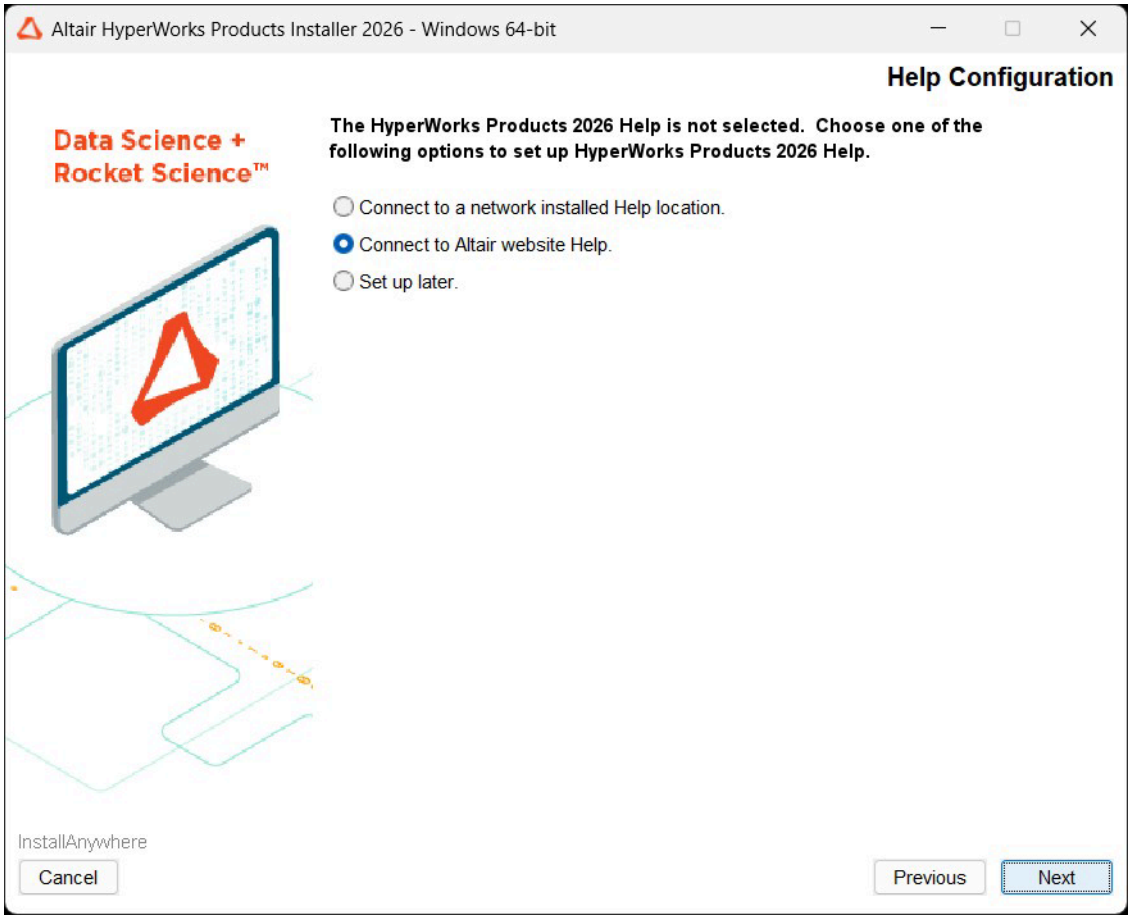


Figure 16:

13. If the install folder was not provided as a UNC path, enter the UNC path in the UNC (Uniform Naming Convention) mount point panel and click **Next** to continue.

Note: User input should be in UNC standard form to be accepted. For example,

```
\\MachineName\SharedFolder\InstallFolder
```

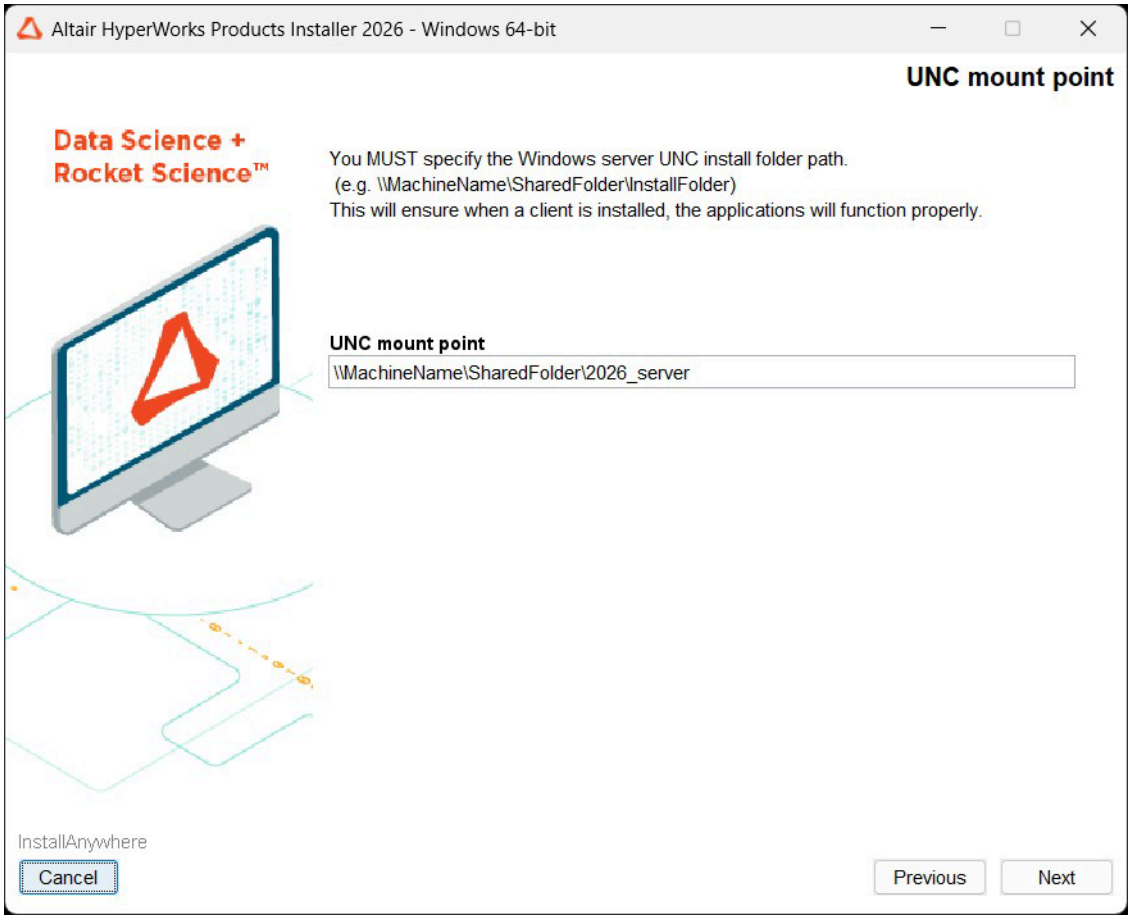


Figure 17:

- If Desktop 2022.3 was selected to be installed, a second UNC mount point panel will be displayed. Enter the UNC path for the Desktop 2022.3 installation and click **Next** to continue.

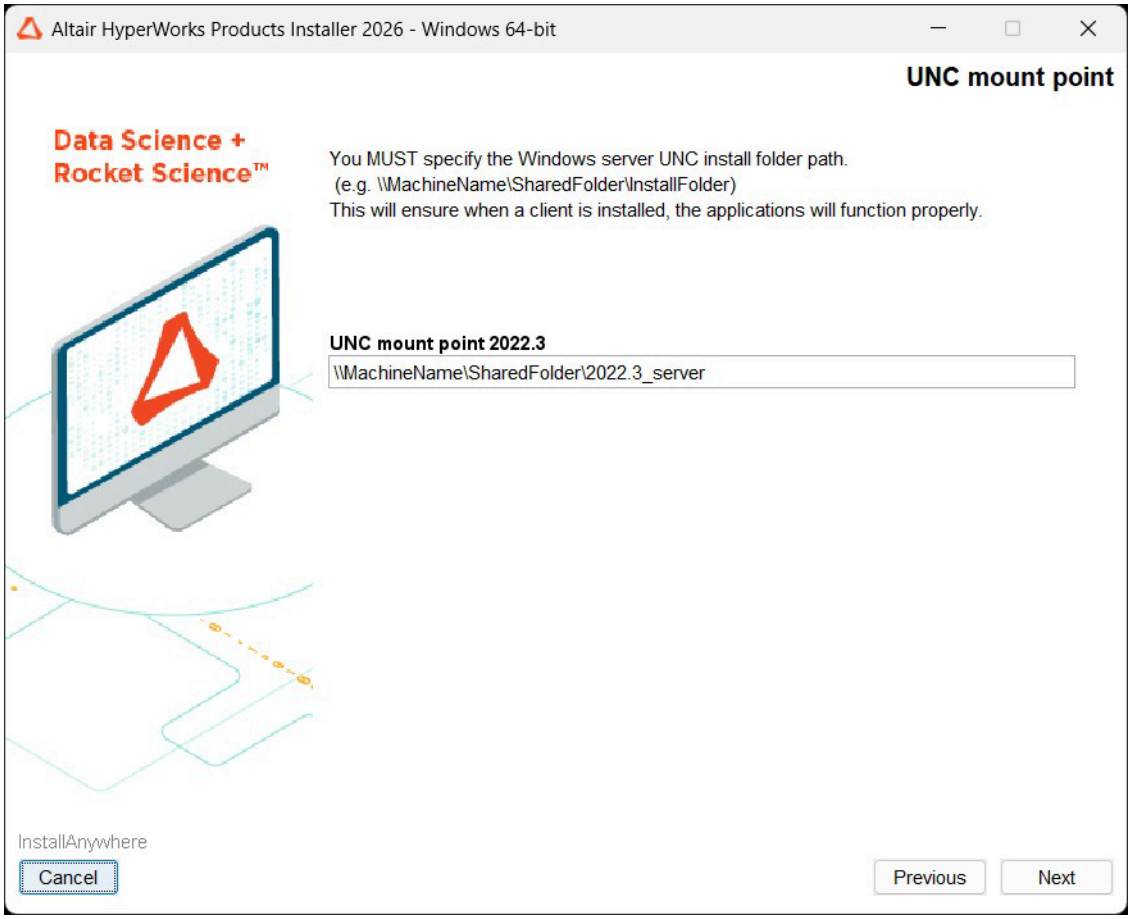


Figure 18:

14. In the **Set up Licensing** panel, your current license is displayed. Select one of the following options:

- Choose **Enter license server** to input the license server (port@host) or choose a license file.
- Choose **Skip this step** if you do not want to change your license settings at this time.

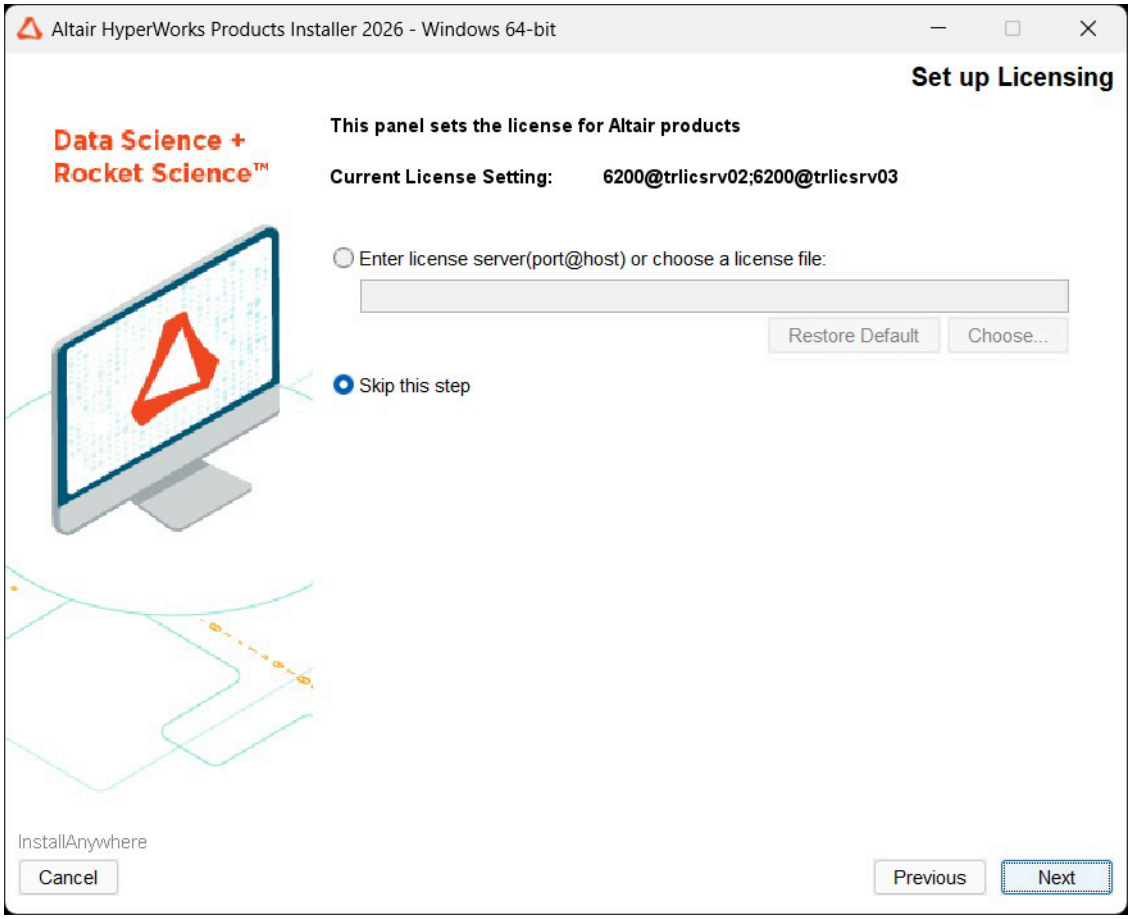


Figure 19:

15. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Click **Install** to continue.

> **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.

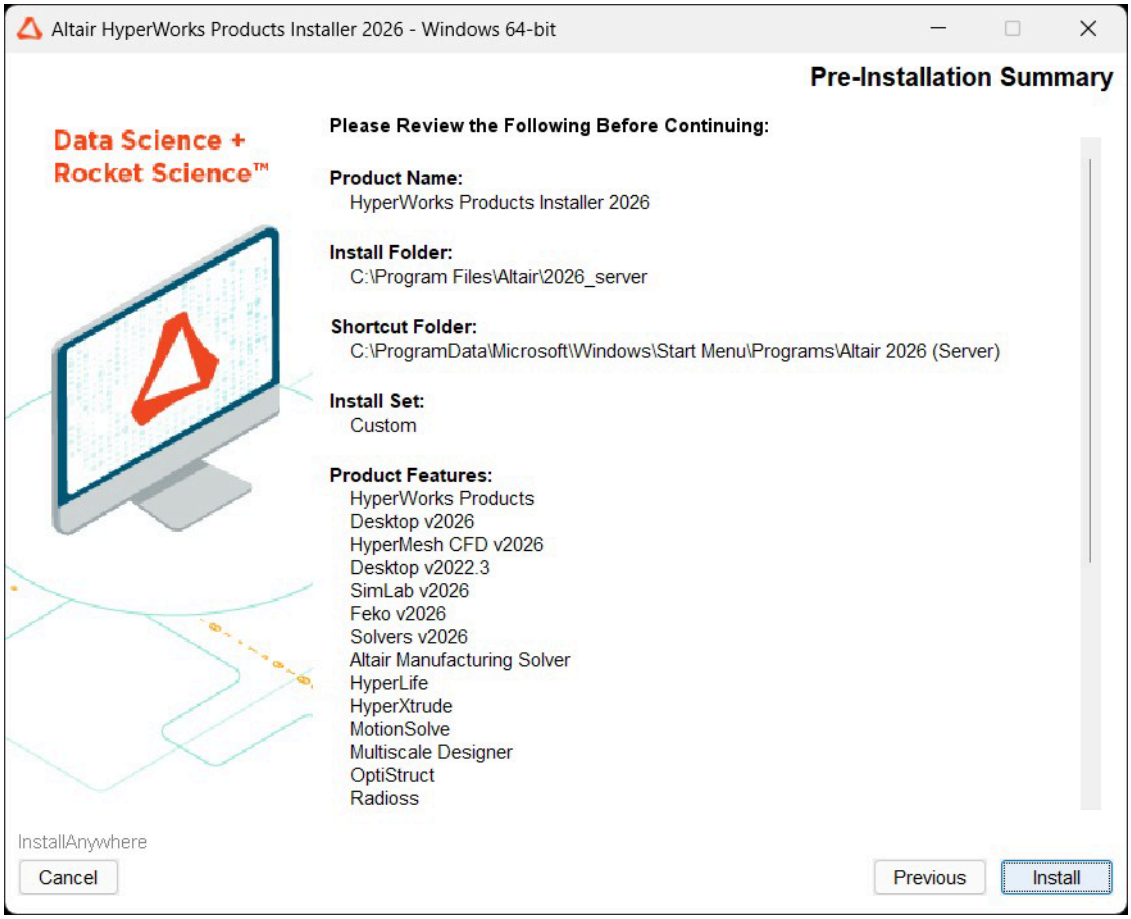


Figure 20:

16. Once the installation completes, click **Done** to exit the installer.

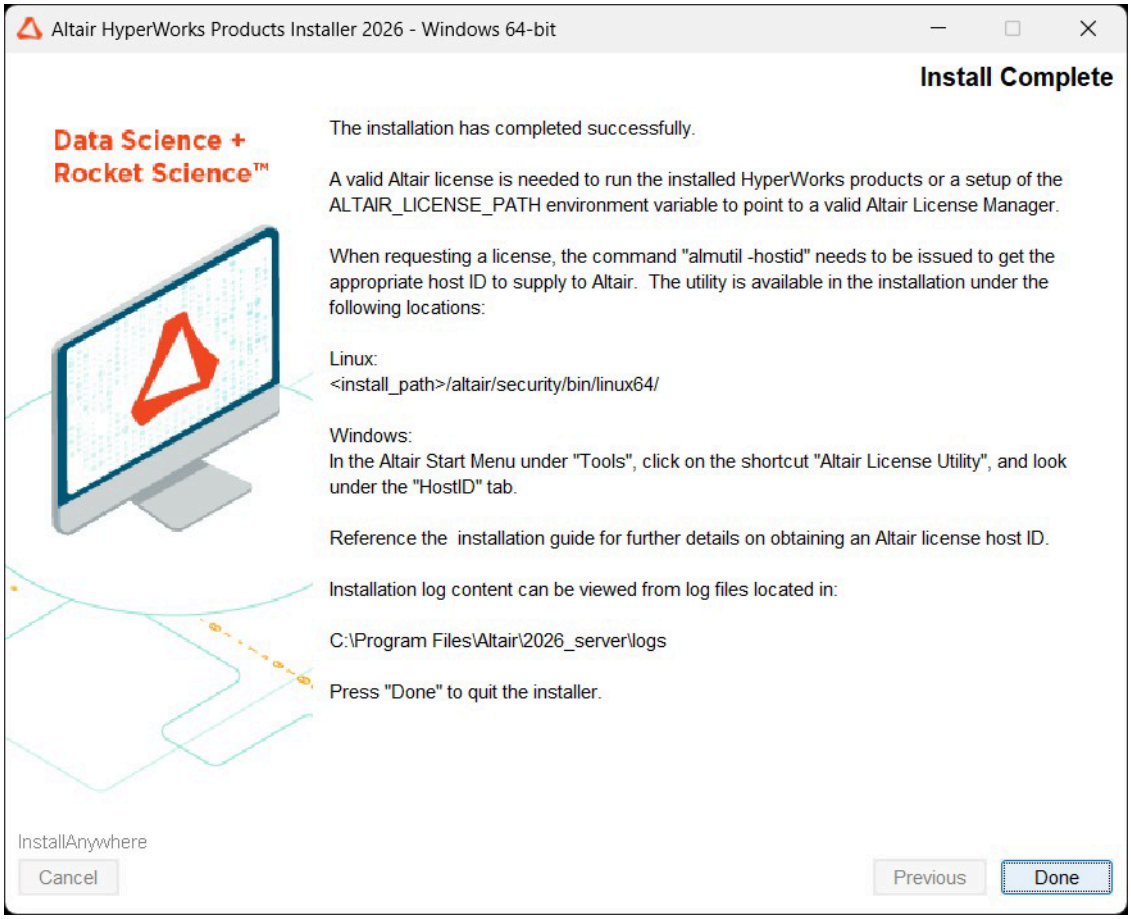


Figure 21:

Install Altair HyperWorks via Silent Mode

Steps to create a properties file for the client NETSETUP installer.

This step only needs to be done once to establish the defaults for the installer.

1. From the File Explorer, go to **Network**.
2. Click on the machine and install location of the Altair HyperWorks server install.
3. Go to the **NETSETUP** folder.
4. Go to the **win64** folder.
5. Click on the `NETSETUPproperties.bat` file.
   A command prompt will be displayed to make sure the end user has write permissions to the NETSETUP network location, where the properties response file gets created.

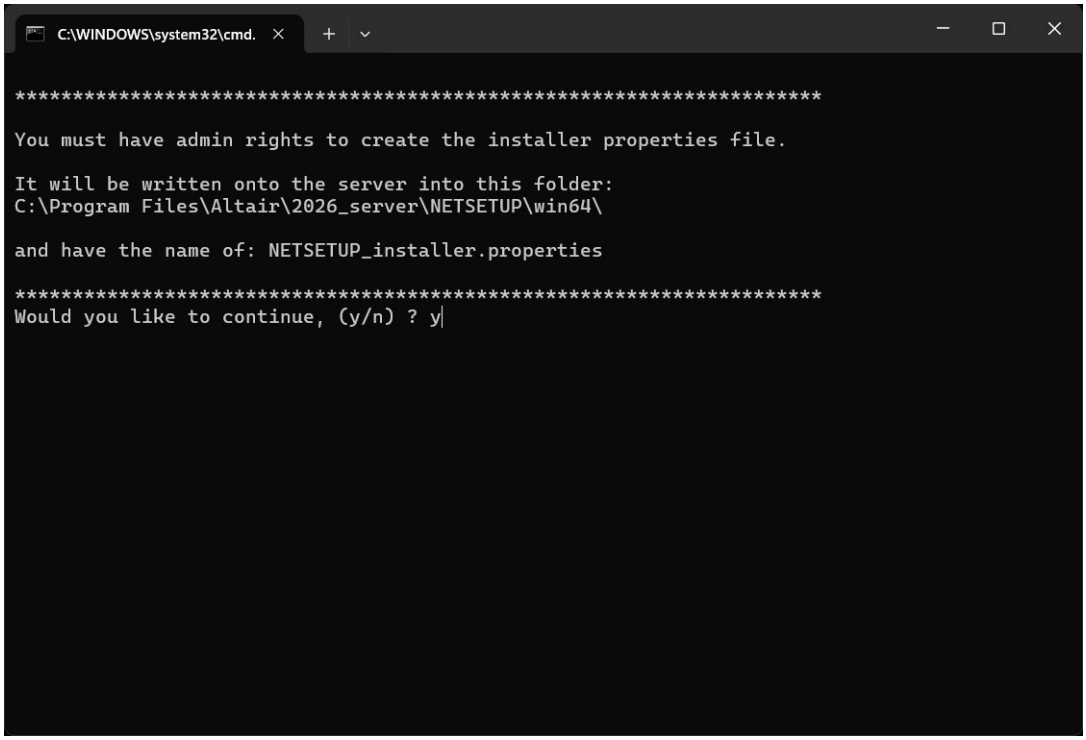


Figure 22:

6. Input `Y` and press **Enter** to continue.
   A command prompt terminal window will be displayed showing that the installer is unpacking on the client machines. The locale language selection prompt will then be displayed.
7. Select the locale language and click **OK** to continue.
   The **Choose Shortcut Folder (Client) options** panel is displayed.
8. Make changes if needed and click **Next** to continue.
   The **Pre-Installation Summary** panel is displayed.
9. Review the summary and click **Install** to complete the Altair HyperWorks NETSETUP client install.
   The appropriate Start Menu and Desktop Shortcuts are created on the client machine.
10. Once it completes, click **Done** to exit the Install wizard.
    The installer creates a file under the NETSETUP platform folder called `NETSETUP_installer.properties`. This will be used for future client NETSETUP installs.

To run the silent NETSETUP installer on other machines using the selected defaults from the above setup, go to the **NETSETUP** folder and click on the `NETSETUPsilentinstall.bat` file.

Connect to the Altair License Management System 2026

4

The Altair License Management System 2026 (ALMS) provides a common units-based licensing model for all Altair software related to CAE, on-demand computing, and business intelligence.

This chapter covers the following:

- Requirements (p. 56)
- Node Locked Licenses (p. 57)

This new system has been designed to enable Altair HyperWorks Partner Products (selected third party products) to be licensed via Altair Units as well.

The ALMS is comprised of two components: the License Server and the Usage Reporting System (URT). The license system is based on X-Formation's LM-X license server. The URT is a java application that reports anonymous transactional logs to Altair. As part of the license agreement that enables partner software to be used, product usage must be reported to Altair.

Altair License Management System 2026 is based on X-Formation’s LM-X License Management System Version 5.

Requirements

In order for applications to use the ALMS, the environment variable, ALTAIR_LICENSE_PATH, must point to the appropriate location.

Multiple license paths are allowed and should be separated by a semicolon (;) on Windows and a colon (:) on Linux. The proper format for a network license location is port@hostname. If you are using a local license file, simply set the value to the full pathname of the file.

A few examples of license paths:

On Windows:

```
ALTAIR_LICENSE_PATH=6200@server.foo.bar.com
ALTAIR_LICENSE_PATH=6200@srv1;6200@srv2;6200@srv3
ALTAIR_LICENSE_PATH=c:\Program Files\Altair\Licenses\altair_lic.dat
```

On Linux:

```
ALTAIR_LICENSE_PATH=6200@server.foo.bar.com
ALTAIR_LICENSE_PATH=6200@srv1:6200@srv2:6200@srv3
ALTAIR_LICENSE_PATH=/usr/local/altair/licenses/altair_lic.dat
```

For High Availability License (HAL) System and/or multiple servers setups, list the three servers in the order: primary; secondary; tertiary.

Examples of license paths:

BASH shell **(.profile, .bashrc)**:

```
export ALTAIR_LICENSE_PATH=6200@server.name.com
```

C shell **(.tchsrc, .cshrc)**:

```
setenv ALTAIR_LICENSE_PATH 6200@server.name.com
```

Node Locked Licenses

For node-locked license (a license that is locked to a local machine), set the environment variable, ALTAIR_LICENSE_PATH, to point to the appropriate location where the license file resides.

The preferred method is to save your license to a location separate from Altair HyperWorks installations and set the environment variable to point at this license.

Start Altair HyperWorks Applications

5

This chapter covers the following:

- Start on Windows (p. 59)
- Start on Linux (p. 60)

Start on Windows

Instructions for starting Altair HyperWorks applications in Windows.

The installation process creates an Altair HyperWorks group available from the Start menu. The folder containing the applications receives a default name by the Altair HyperWorks Installation wizard. Most applications can be started using the following instructions. The example below uses the default settings.

1. Click **Start** > **Altair 2026**.
2. From the list, select the name of the program to run.

Alternatively, Altair ConnectMe can also be used to launch a product. ConnectMe lists all of the Altair products that can be installed on a machine. You can download ConnectMe from Altair Marketplace and install it via the Altair HyperWorks Products Installer or as a standalone.

Change the Default Working Directory on Windows

Instructions for changing the default working directory.

The default working directory specified by an Altair HyperWorks application is `C:\Users\[UserID]\Documents`.

> **Note:** If you create a shortcut directly from the `<install_location>\application\bin` directory, the start in directory of the shortcut will be from that directory. We recommend that you change the start in path to: "`%USERPROFILE%\Documents`" or any directory you prefer.

1. Click **Start** > **Altair 2026**.
2. Right-click on the Altair HyperWorks application for which you want to set the working directory.
3. From the menu, select **Properties**.
4. Select the **Shortcut** tab.
5. In the **Start in** text box, enter the explicit path name of the folder from which you want to run the Altair HyperWorks application.
6. Click **OK**
   Your user files are created in the directory specified in Step 5. For example, if you had selected HyperMesh, the `command<#>.tcl` and `hmmenu.set` would go to this directory.

The default start-in directory can also be changed by selecting **Altair ConnectMe** > **Settings** > **General**.

Start on Linux

All Altair HyperWorks applications start by running the appropriate script from the `<install_location>/altair/scripts` directory.

The scripts directory contains the launch procedure for each Altair Simulation application, and tools such as hvtrans. In addition, it contains the `/invoke` sub-directory where various sub-procedures used by the launch procedures are stored.

The general start command to enter at the terminal prompt is:

```
<install_dir>/altair/scripts/<script name>
```

where **`<script name>`** is the script name associated with the particular application and the optional **`[file name]`** applies to the applications that require an input file when they start.

For example, to start HyperMesh you would enter the following at the prompt:

```
<install_dir>/altair/scripts/hm
```

The following scripts are used to launch Altair HyperWorks applications:

Command	Options	Description
acc		Launch Altair Compute Console
TwinActivate		Launch Twin Activate
Activate_batch		Launch Twin Activate in batch mode
TwinActivate_Help		Launch Twin Activate help
acusim*		Establish AcuSolve Product environment
ams		Launch Altair Manufacturing Solver
blanknest		Launch BlankNesting
cadfeko		Launch CADFEKO-model creator (geometry, mesh, configuration)
cadfeko_batch		Launch command line model mesher
Compose		Launch Compose
Compose_Batch		Launch Compose in batch mode

Command	Options	Description
Compose_Console		Launch Compose console mode
Compose_Help		Open Compose help
Compose_Jupyter		Launch Compose Jupyter Notebook
edem		Launch EDEM
editfeko		Launch EDITFEKO-advanced text-based model creator
feko_launcher		Run the Feko launcher
feko_update		Run the Feko updater
feko_update_gui		Run the Feko updater in GUI mode
FluxSupervisor		Launch Flux Supervisor
help_hwcfdsolvers		Open CFD Solvers local help
help_hwdesktop		Open HyperWorks Desktop local help
help_hwsolvers		Open Mechanical Solvers local help
hfsolver		Launch Manufacturing Solutions/ Radioss 1 Step
hg		Launch HyperGraph
hm		Launch HyperMesh
hmbatch	`-c<command filename>` `-tcl <file>`	Launch HyperMesh using batch mode
hmcfd		Launch HyperMesh CFD
hmcfdgsp	`./hmcfdgsp -h` `./hmcfdgsp <path to gspParams.json>`	Launch hwcfdGsp to perform Gsp analysis and generate a `.gsph5` file, which can be loaded into HWCFD Post for visualization

Command	Options	Description
hmcfdreport	`./hmcfdReport -h` `./hmcfdReport input_file <path to Image file> run_directory <path to output folder>`	Launch hwcfdReport to perform automatic report generation based on HWCFD Post
hmdesktop		Launch HyperMesh client from HyperWorks Desktop
hst		Launch HyperStudy
hst	`-studyfile=<filename>`	Automatically read the file after launching HyperStudy
hstbatch		Launch HyperStudy using batch mode
hstbatchgui		Launch HyperStudy using batch mode with GUI
hstpy		Initialize Python environment for HyperStudy
hv		Launch HyperView
hvp		Launch HyperView Player
hvmc		Launch HyperView – MultiCore
hw_batchmesh		Launch the BatchMesher user interface where you can interactively set up the required entries
hwnvh		Launch HyperMesh NVH
hwx		Launch HyperMesh
hx		Launch HyperXtrude
hyperlife		Launch HyperLife
hyperlifewc		Launch HyperLife Weld Certification
hyperlifecg		Launch HyperLife Crack Growth
Inspire		Launch Inspire

Command	Options	Description
Inspire_Help		Open Inspire help
mdl_batch	`-c<session filename>`	Launch MotionSolve using batch mode
mit		Launch HyperGraph Model Identification tool
motionsolve		Launch MotionSolve
motionsolve_jupyter		Launch MotionSolve Jupyter Notebook
mview		Launch MotionView
nfx		Launch nanoFluidX
optfeko		Launch OPTFEKO-optimization engine
optistruct		Launch OptiStruct
postfeko		Launch POSTFEKO-solution visualizer (post-processor)
prefeko		Launch PREFEKO-model pre-processor
queuefeko_gui		Launch QUEUEFEKO GUI
radioss		Launch Radioss
runfeko		Launch the Feko solver
seam		Launch Seam solver
SimLab2026		Launch SimLab
templex	`Template.tpl <output>`	Launch Templex
ufx		Launch ultraFluidX

Note: *Source the .acusim file to establish the AcuSolve environment. Once the proper environment is set, you can launch executables from the command line.

On Linux, running a Window Manger, the products can be invoked from an icon type shortcut by double clicking the icon of the product you wish to launch.

You will need to install the shortcut icons by using the script:

```
<install_location>/altair/LinuxMenu/install_menu.sh
```

with the **-i** option to install or **-u** to uninstall the shortcut icons for that installation.

Obtain a List of Arguments for an Application on Linux

To obtain a list of arguments and their descriptions, add `-help` to the start command.
For example, to obtain a list of arguments for HyperMesh, enter the following at the command prompt:

```
<install_location>/altair/scripts/hm -help
```

The application returns a list of the available arguments and what they do.

Set up Altair HyperWorks Help 6

The Altair HyperWorks help system is a browser-based HTML help system. This section describes how to set up and access Altair HyperWorks help system.

This chapter covers the following:

- Start Help from the Application Menu (p. 67)
- Start Help from the altair/scripts Directory on Linux (p. 68)
- Access Help Installed on a Server on Windows (p. 69)

The Altair HyperWorks help system can be installed with applications or installed alone on a server.

Help systems for Altair Feko, Flux, and SimLab are always installed on the local machine with these applications.

For the help to work properly from applications, you must set up a valid Internet browser and a valid path to the Altair HyperWorks help installation if help is not installed with the application. Help can be accessed via different ways:

- On a local machine along with the Altair HyperWorks software.
- Pre-installed on a shared network location.
- Documentation page on the Altair Community site.

In order for Altair HyperWorks help to work properly, you must set up a valid browser on the machine from which the application is launched. For Windows, Altair HyperWorks uses the default Windows browser. For Linux, the valid browser is set during the installation time. You can verify the browser setting stored in the `hwcfdsolvershelp.cfg`, `hwhelp.cfg`, or `hwsolvershelp.cfg` file. These files are located in the `<installation directory>/altair/` directory on Linux, and the top-level installation directory on Windows.

> **Important:** Firefox version 74 or higher is required to view and search the online help on Linux.

If Help is pre-installed on a shared network location, the information will be stored in the `hwcfdsolvershelp.cfg`, `hwhelp.cfg`, or `hwsolvershelp.cfg` files as well. A typical file should contain the following information:

```
HW_MSG_HELP "<install_Dir>/altair/help/hwcfdsolvers"
HW_MSG_BROWSER "/usr/bin/firefox"
```

```
HW_MSG_HELP "<install_Dir>/altair/help/hwdesktop"
HW_MSG_BROWSER "/usr/bin/firefox"
```

```
HW_MSG_HELP "<install_Dir>/altair/help/hwsolvers"
HW_MSG_BROWSER "/usr/bin/firefox"
```

If `HW_MSG_HELP` is not set in the `hwcfdsolvershelp.cfg`, `hwhelp.cfg`, or `hwsolvershelp.cfg` file, Altair HyperWorks application will connect to the Altair website help automatically.

Important: The help server on Linux platforms does not support tilde (~) completion of paths. Please make sure that you use the full path for the items `HW_MSG_HELP` and `HW_MSG_BROWSER` if you set them as environment variables or in a help configuration file. For example, use `/path/to/help_user/my_help` instead of `~help_user/my_help`.

Start Help from the Application Menu

Before you begin, set up the browser and help environment before starting the application as described in Set up Altair HyperWorks Help

The steps to start help from within an application via the Help menu are similar for most applications.

1. Start the application.
2. Click the **Help** menu and choose the help for the selected application.

Once the online help has been launched, you can use the Index, Contents, or Search tabs to locate the help for a specific topic. The context sensitive help works as well.

Start Help from the altair/scripts Directory on Linux

Each Altair HyperWorks Help book can be invoked via command prompt by running the following script:

```
altair/scripts/help_hwcfdsolvers
altair/scripts/help_hwdesktop
altair/scripts/help_hwsolvers
```

Important: Firefox version 74 or higher is required to view and search the online help on Linux.

Access Help Installed on a Server on Windows

If you have chosen the Server setup type described in Install Altair HyperWorks: Client/Server Installation, each client is installed through NETSETUP as described in Install Altair HyperWorks via GUI Mode. Altair HyperWorks applications will be available from the Start menu.

If both the Altair HyperWorks applications and help are installed on the software server, help can be accessed on this client as long as a valid browser is installed on the client machine.

Set up CAD Translators

7

This chapter covers the following:

- UG Environment Variable Settings (p. 71)
- CATIA V5 License (p. 73)

UG Environment Variable Settings

Since the UG reader needs to use the UGOpen library during the run time, it requires that a valid UG installation and UG license[1] be present and available to the user with the assemblies, gateway and solid_modeling modules.

The UG installation must be the same bit-level and platform as the version of Altair HyperMesh (thus, 64-bit HyperMesh must be used with 64-bit UG).

Windows Environment Variables

The following environment variables must be set prior to starting:

UGII_BASE_DIR

Must point to the UG installation directory[2].

UGI_ROOT_DIR

Must point to the UG installation UGII directory[2].

PATH

Must include the `%UGII_BASE_DIR%\UGII\` directory[3].

SPLM_LICENSE_SERVER

Must point to the UG license server[1].

UGS_LICENSE_SERVER

Must point to the UG license server[1].

UGS_LICENSE_BUNDLE

Must specify the UG license bundle[1].

For example, an UG installation located at `C:\Program Files\UGS\NX 6.0`:

UGII_BASE_DIR

```
C:\Program Files\UGS\NX 6.0
```

UGI_ROOT_DIR

```
%UGII_BASE_DIR%\UGII\
```

PATH

```
%UGII_BASE_DIR%\UGII\
```

UGS_LICENSE_SERVER

```
28000@licsrv
```

UGS_LICENSE_BUNDLE

```
NXPTNR100
```

Linux Environment Variables

The following environment variables must be set prior to starting:

UGII_BASE_DIR

Must point to the UG installation directory[2].

UGI_ROOT_DIR

Must point to the UG installation bin directory[2].

SPLM_LICENSE_SERVER

Must point to the UG license server[1].

UGS_LICENSE_SERVER

Must point to the UG license server[1].

UGS_LICENSE_BUNDLE

Must specify the UG license bundle[1].

For example, an UG installation located at `/soft/usr/ugs060`:

UGII_BASE_DIR

`/soft/usr/ugs060`

UGI_ROOT_DIR

`/soft/usr/ugs060/bin`

UGS_LICENSE_SERVER

`28000@licsrv`

UGS_LICENSE_BUNDLE

`NXPTNR100`

1. When using UG versions prior to NX6, a UG license is not required. UG versions 9.0 and later utilize the SPLM_LICENSE_SERVER variable, while older versions utilize UGS_LICENSE_SERVER
2. UG is very sensitive about the environment variables. You should NOT have '/' at the end of `UGII_BASE_DIR` path and you MUST have '/' at the end of `UGII_ROOT_DIR` path.
3. It is advisable to specify `%UGII_BASE_DIR\UGII\UGOpen` directory at the beginning of PATH environment variable to avoid DLL version conflict.

CATIA V5 License

Altair HyperMesh supports import of CATIA V5 models with `.CATPart`, `.CATProduct` and `.cgr` extensions.

If you intend to import CATIA V5 models, or CATIA V4 models embedded in CATIA V5 models, you must obtain an Altair HyperWorks license file with the FEATURE CatiaV5Reader from Altair Engineering.

It is no longer necessary to install, update or manage the third-party library license file.

Uninstall

8

This chapter covers the following:

- Uninstall: Windows (p. 75)
- Uninstall: Linux (p. 77)

Uninstall: Windows

The Altair HyperWorks Products Uninstaller will remove **all** files from the install.

> **Note:** Any modified files or added files, like the `altair_lic.dat` file, will also be removed from within that particular install location. Backup any and all files you wish to save prior to running the uninstaller. Each sub-installer has its own uninstaller if you want to remove a single product or group of products.

1. Choose one of the following methods:
   - From the Start Menu, click **Altair 2026** > **Uninstall_HyperWorksProductsInstaller 2026**
   - From the Control Panel, click **Add/Remove** or **Uninstall a Program** and double-click Altair HyperWorks Products Installer 2026.
2. Follow the prompts to proceed with uninstallation.

Windows Silent Uninstalls Using a Response File

Silent uninstalls for Altair HyperWorks only allows for complete uninstalls of the products, this includes all folders, directories and files of the Altair HyperWorks install.

1. Backup any important files before proceeding with a silent uninstall.
2. A response file is necessary for using the silent uninstall capabilities. Create a response file adding the following three variables within it and save it as `hw2026_silent_uninstaller.properties`.

   INSTALLER_UI=silent

   FEATURE_UNINSTALL=COMPLETE

   INSTALL_CLEANUP_ALL=1
3. Open a command prompt (Administrative elevation is recommended to bypass any User Account Control prompts as shown in image below):

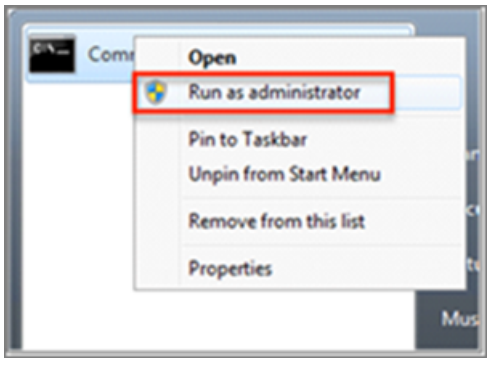


Figure 23:

4. Run the Altair HyperWorks Uninstaller executable with the `hw2026_silent_uninstaller.properties` file using the syntax in the example below (where

<INSTALL_PATH> is the path used to install Altair HyperWorks and <RESPONSE_PATH> is the path where the response file resides):

```
"C:\<INSTALL_PATH>\uninstalls\Uninstall_HyperWorksProductsInstaller2026
\Uninstall_HyperWorksProductsInstaller2026.exe” -f C:\<RESPONSE_PATH>
\hw2026_silent_uninstaller.properties
```

This will remove the Altair HyperWorks install completely in silent mode.

Note: Files in the installation directory and the Start Menu folder will be removed, but any Desktop Shortcuts may remain and need to be manually deleted.

Uninstall: Linux

Run the command `rm -Rf install_directory` to uninstall the product, where **`install_directory`** is where the Altair HyperWorks installation you would like to remove resides.

Appendix

9

This chapter covers the following:

- Windows (Local) Installation (p. 79)
- Linux Installation (p. 93)
- Hardware Recommendations and Certifications (p. 104)
- Process Check Flag for Windows (p. 136)
- Hotfixes and Updates (p. 137)

Windows (Local) Installation

Complete the following steps to extract and install the software.

1. Double click the installer executable file to start the installer.
2. If UAC (User Account Control) is enabled, then a prompt displays showing the Altair Engineering, Inc. digital signature for elevated permissions. Click **Yes** to continue with installer.

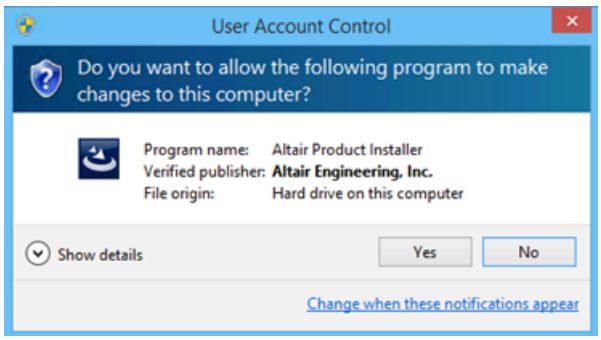


Figure 24:

3. In the multi-language selector prompt, select the proper locale and click **OK** to continue.

   The default locale setting is specific to the install machine regional settings. The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.

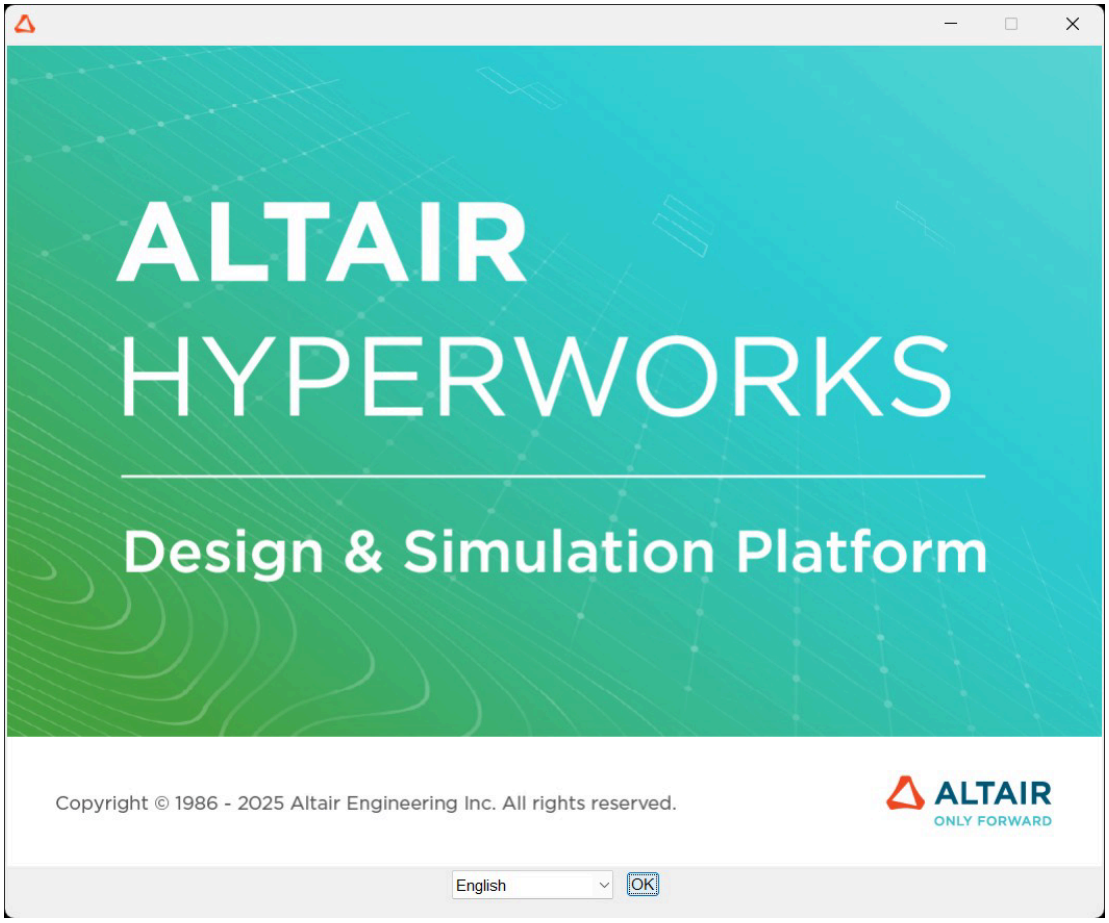


Figure 25:

4. In the **License Agreement** panel, review the agreement, select the **I accept the terms of the License Agreement** check box, and click **Next** to proceed.

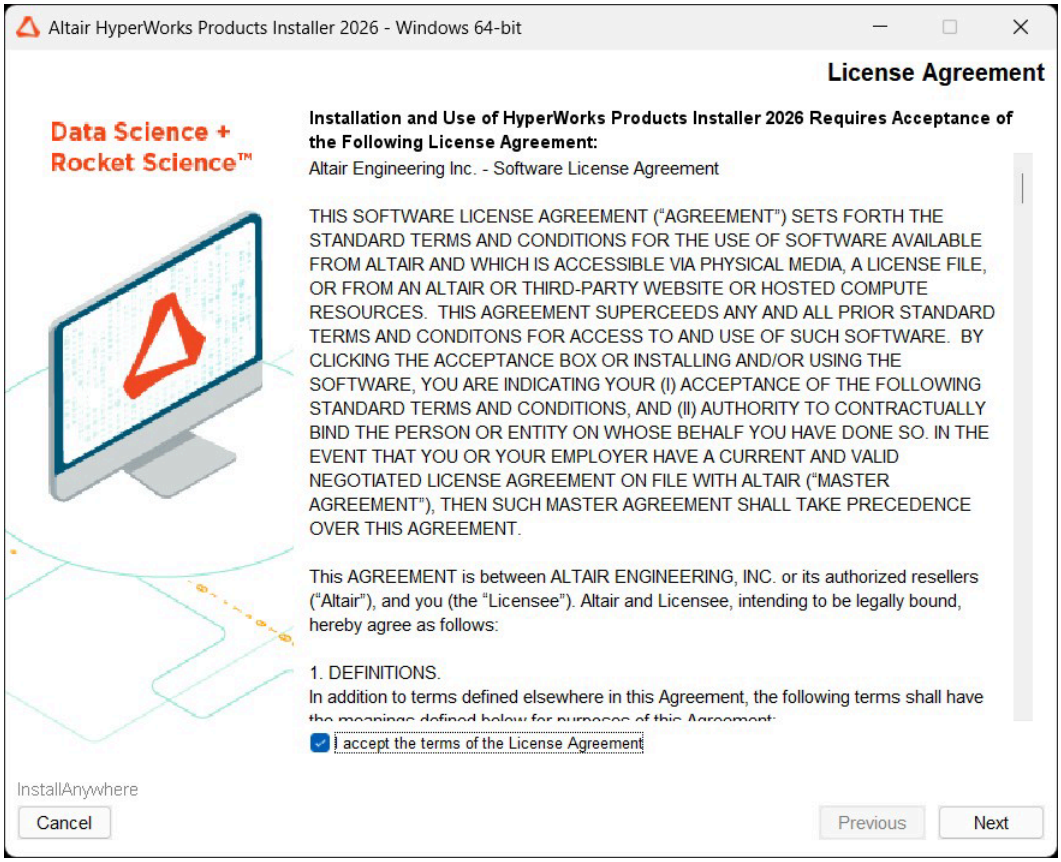


Figure 26:

5. In the **Introduction** panel, click **Next** to continue.

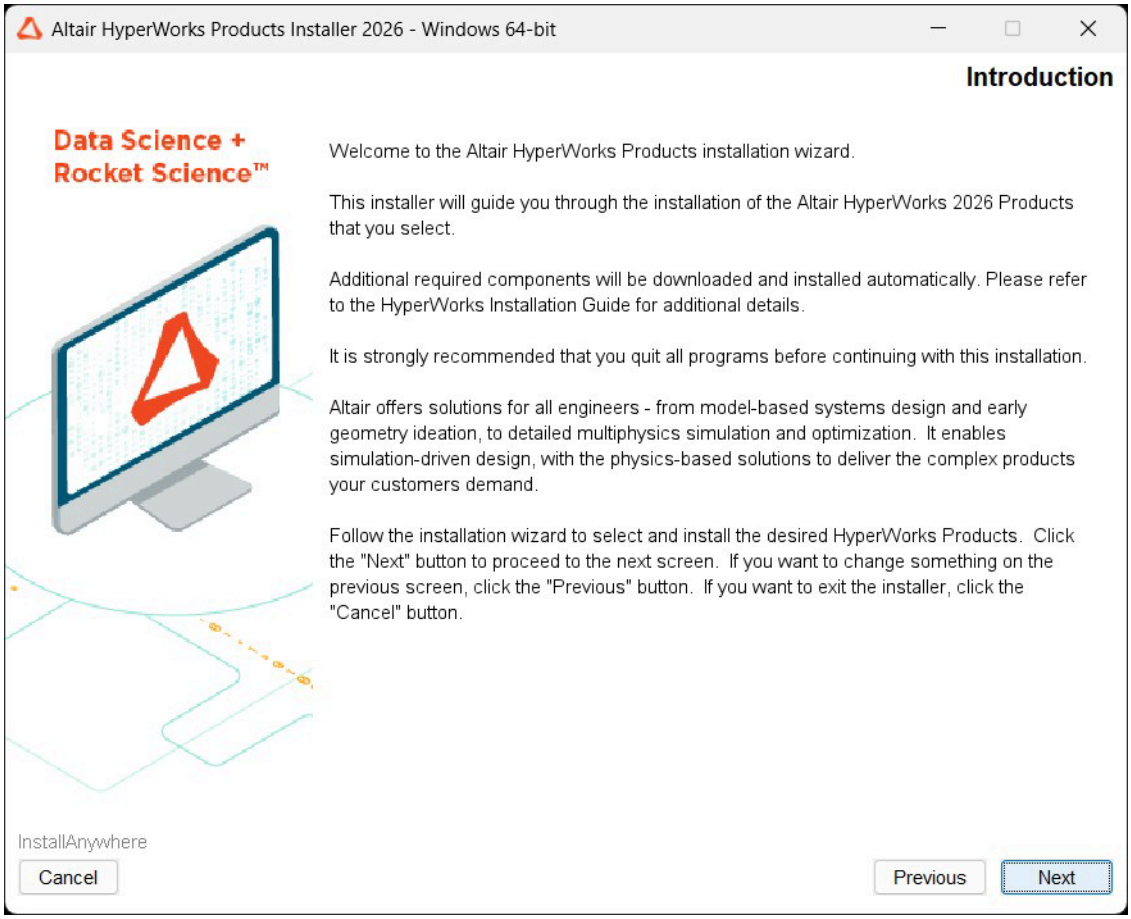


Figure 27:

6. In the **Choose Installation Type** panel, choose **Local** and click **Next**.

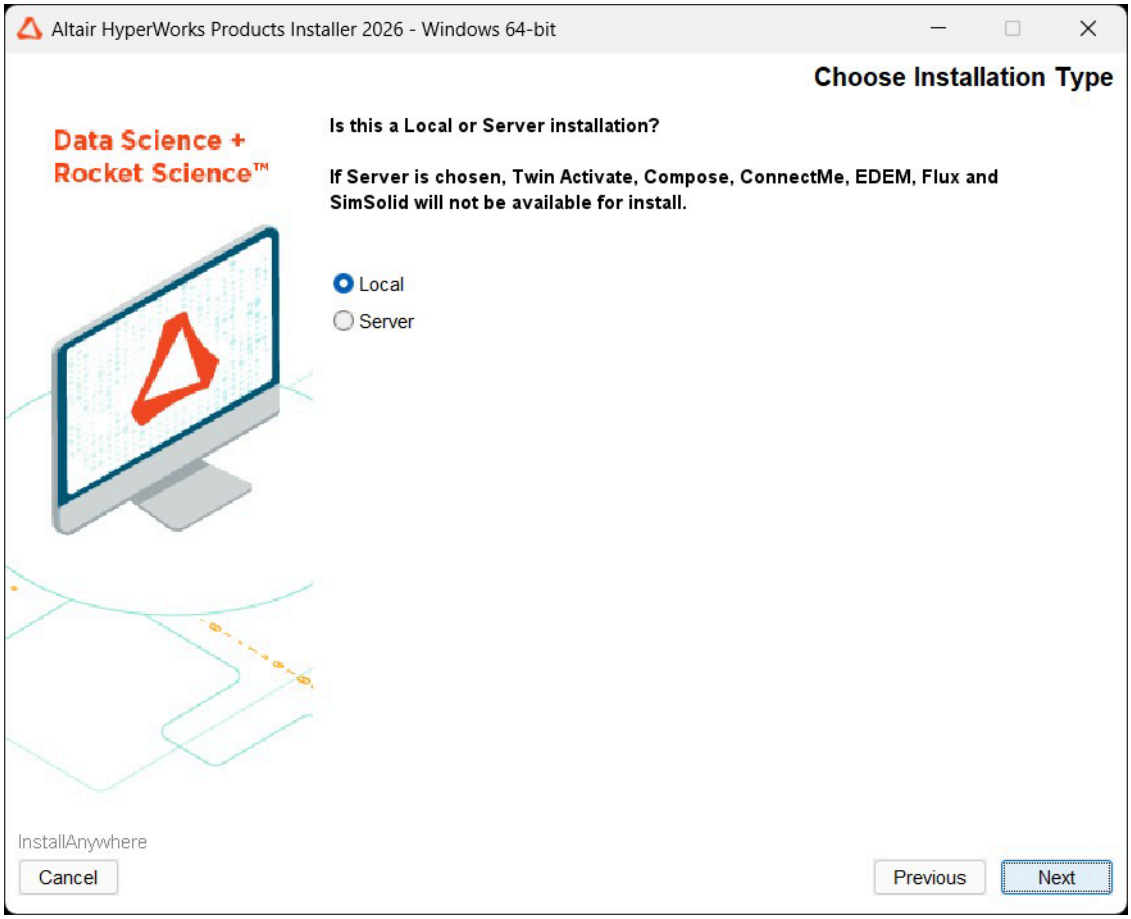


Figure 28:

7. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and click **Next**.

Note:

- The installer does not allow the use of characters # and ;
- Installing to a root drive is not permitted, for example C:\

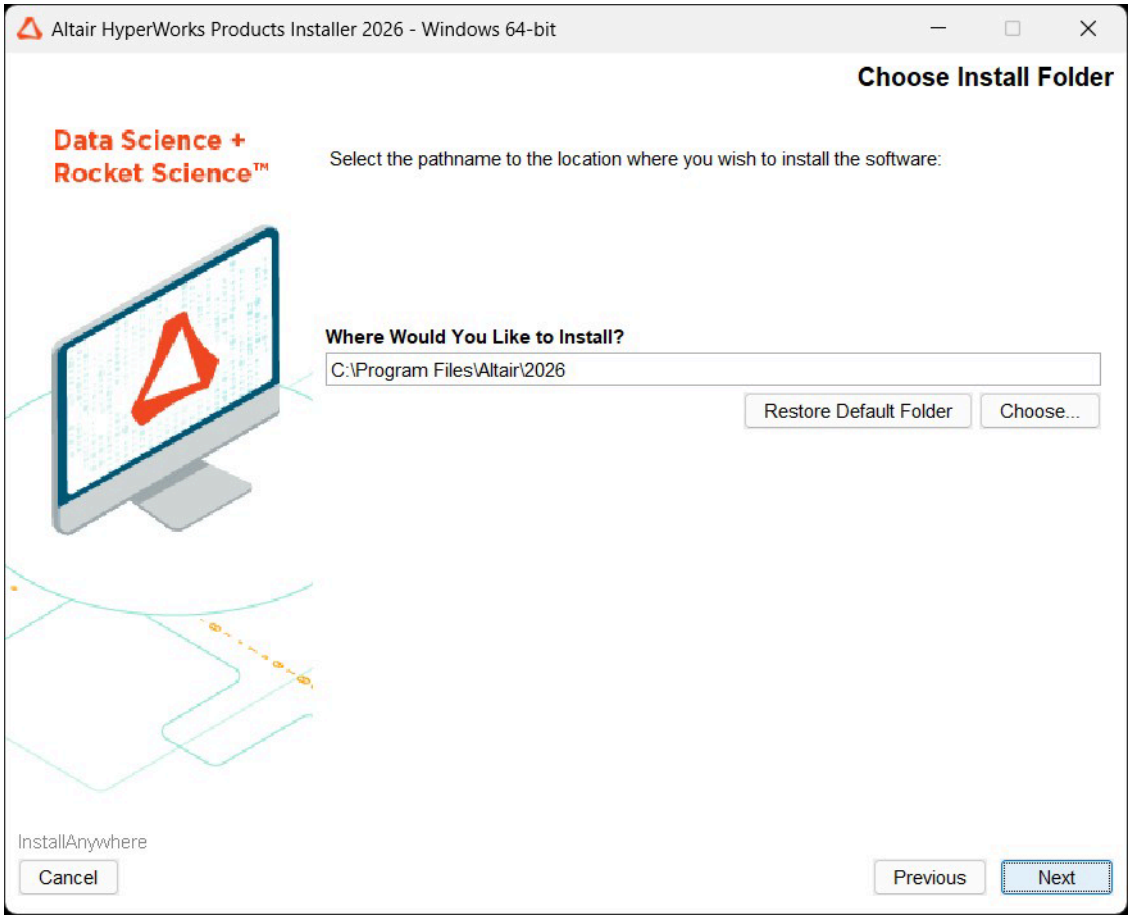


Figure 29:

8. In the **Change Shortcut Folder (Local)** panel, choose a Start Menu name for the Altair HyperWorks install and select whether desktop shortcuts are created. There are options on this panel to associate Altair HyperWorks file types to products, install ConnectMe, and to generate thumbnail previews for HyperMesh files. These options are selected by default. Once options are chosen, click **Next** to continue.

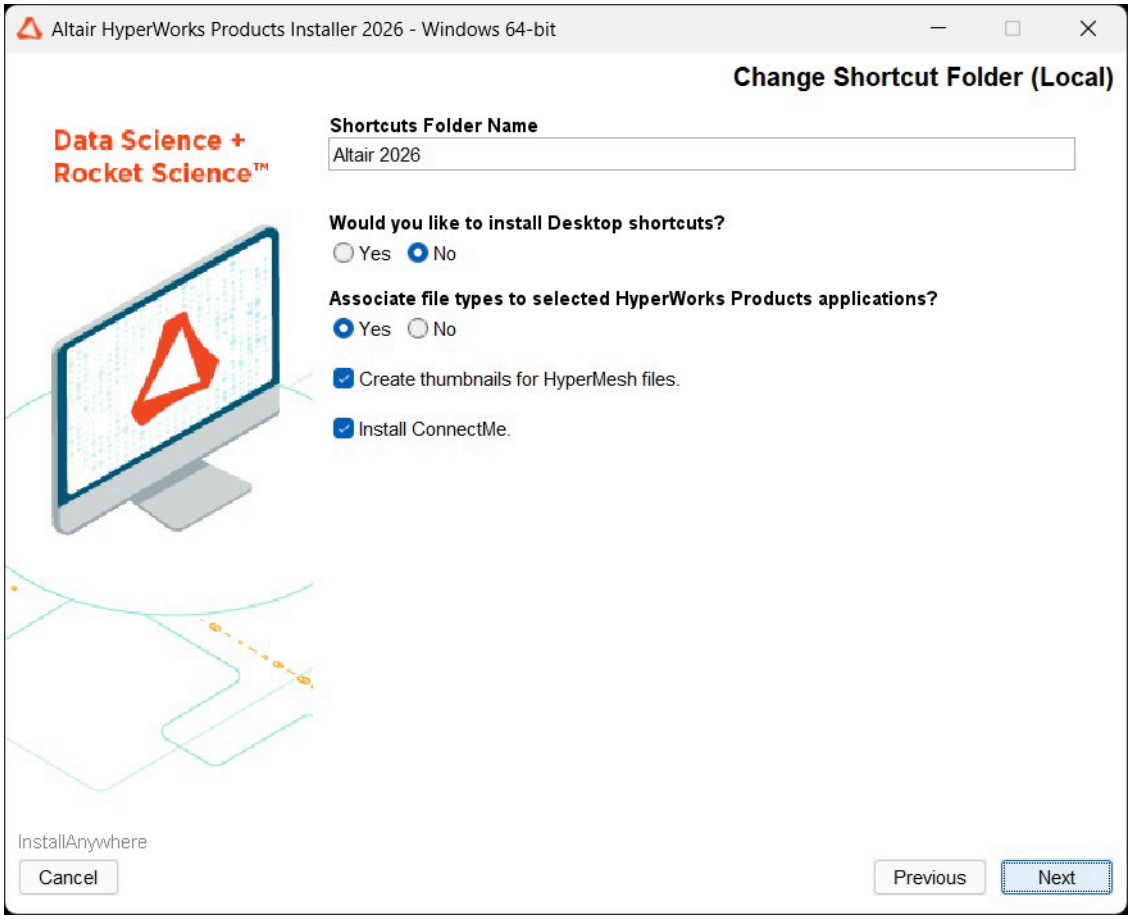


Figure 30:

9. In the **Choose Install Set** panel, select the products to install. Click **Next** to continue.

You can now install compatible hotfixes, that are not selected by default, for HyperWorks Desktop, Mechanical Solvers, CFD Solvers, and Flux as well.

Install Sets, which group products by discipline, can be accessed using the **Install Set** drop-down menu. Selecting an Install Set picks the products that are part of that set.

Products that do not have sub-installer present or were not picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

Note: Help installers and hotfixes will only be displayed if present.

Note: You can no longer install a different version of an already installed product to the same location (for example, HyperWorks Desktop 2026.1 on top of HyperWorks Desktop 2026).

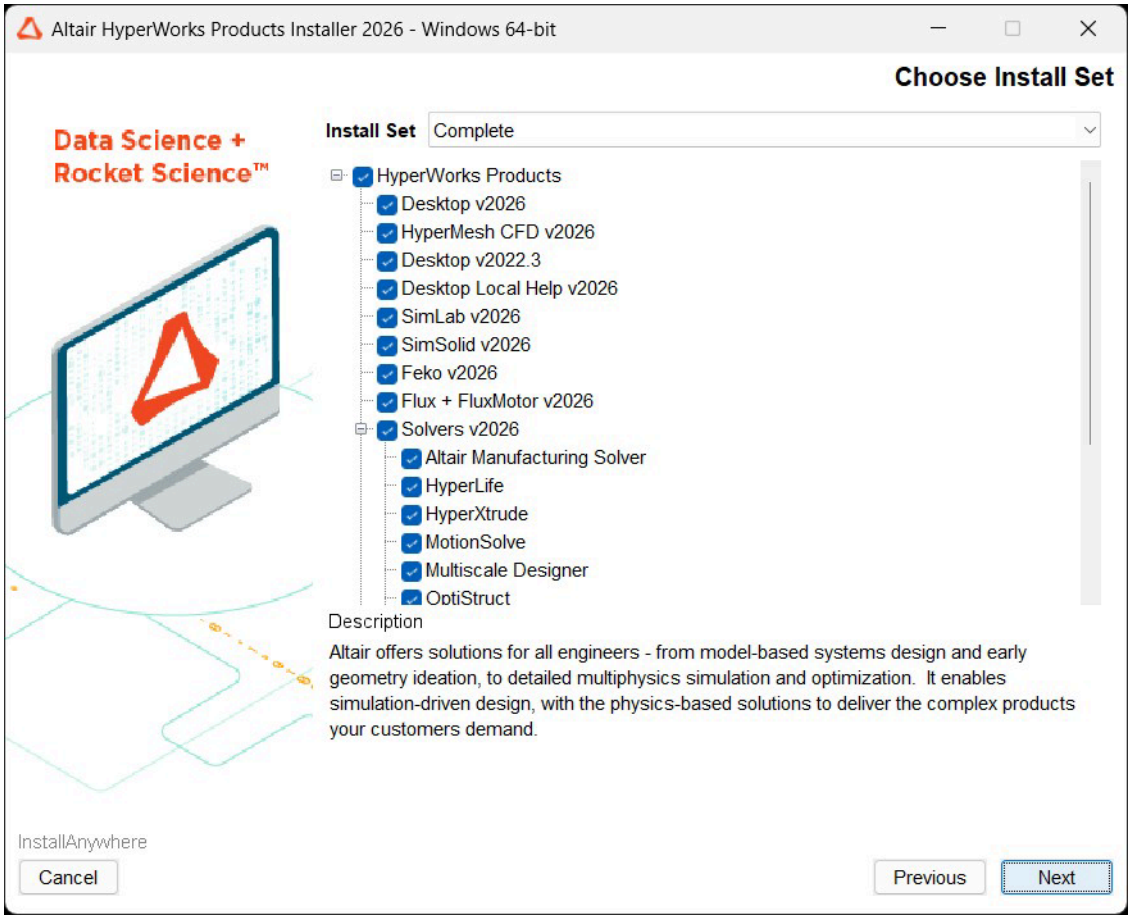


Figure 31:

10. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Click **Next** to continue.

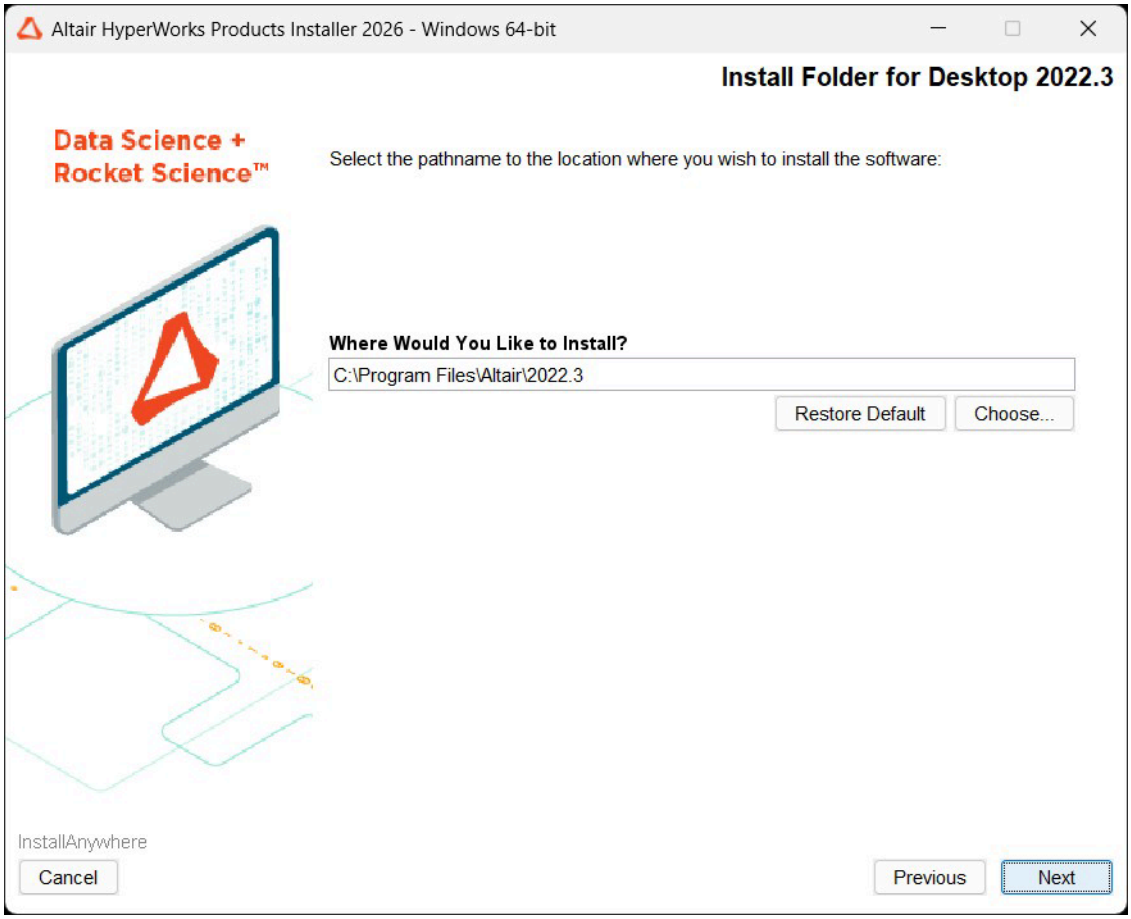


Figure 32:

11. If Desktop 2022.3 was selected to be installed, the **Change 2022.3 Shortcut Folder (Local)** panel is displayed. You must choose a different shortcut folder than 2026. Click **Next** to continue.

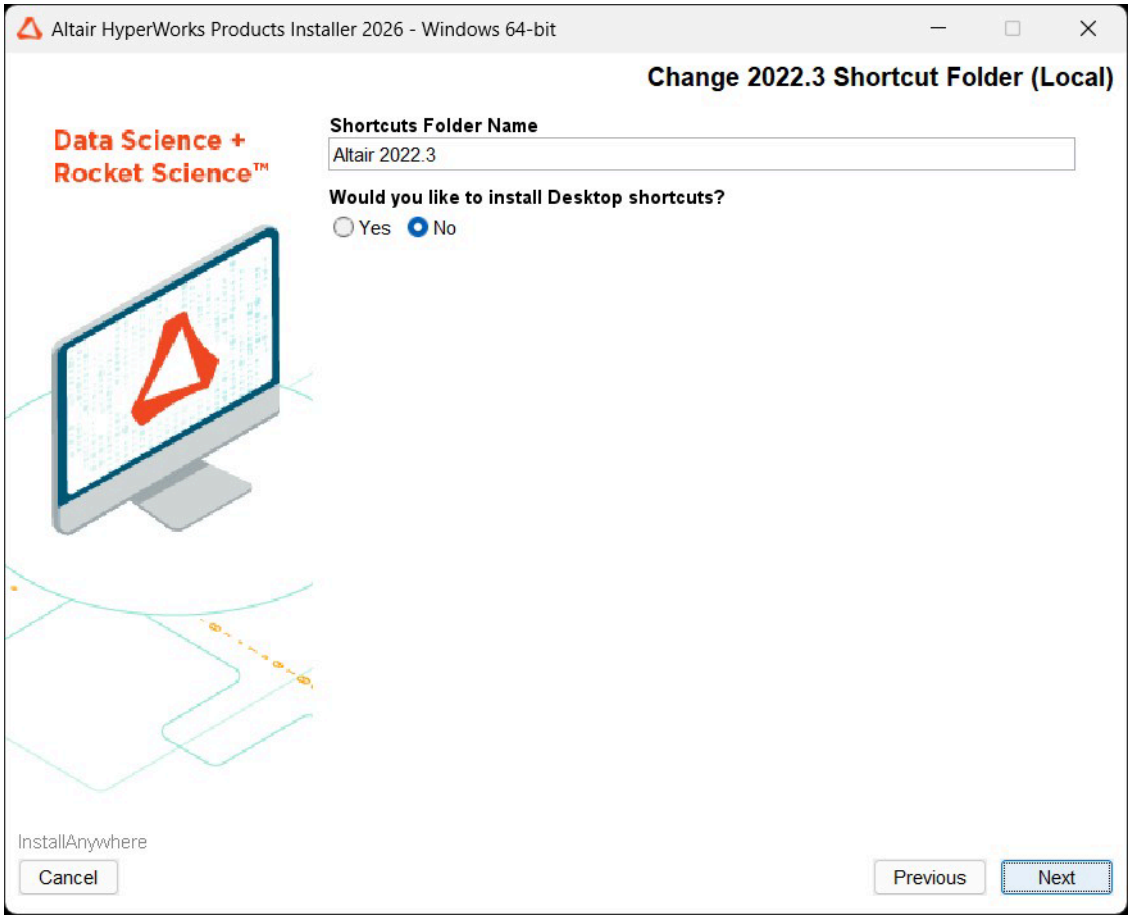


Figure 33:

12. If Help was NOT selected to be installed, the **Help Configuration** panel is displayed. Select one of the options:

- Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
- Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
- Choose **Set up Later** to allow for a post Help install over the current installation. This option defaults to the website help if an existing help configuration file is not present.

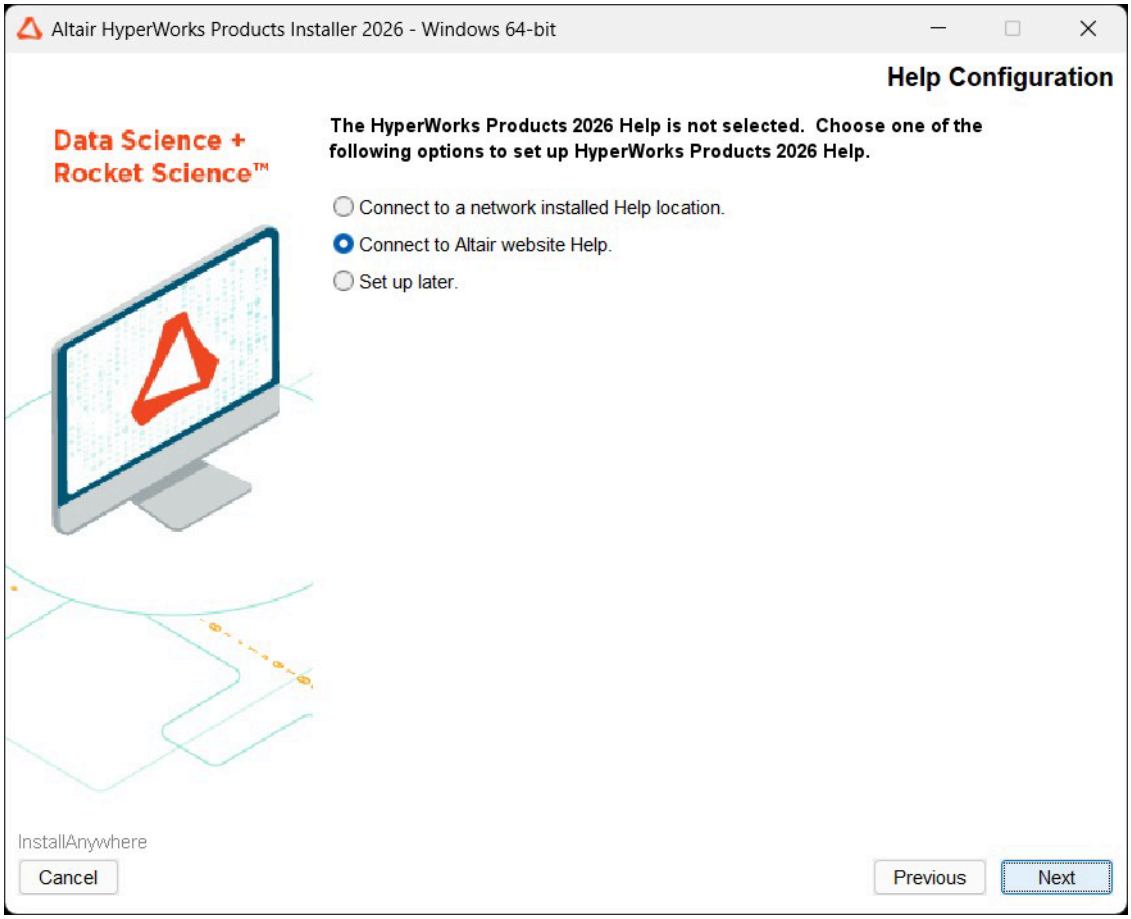


Figure 34:

13. In the **Set up Licensing** panel, your current license is displayed. Select one of the following options:

- Choose **Enter license server** to input the license server (port@host) or choose a license file.
- Choose **Skip this step** if you do not want to change your license settings at this time.

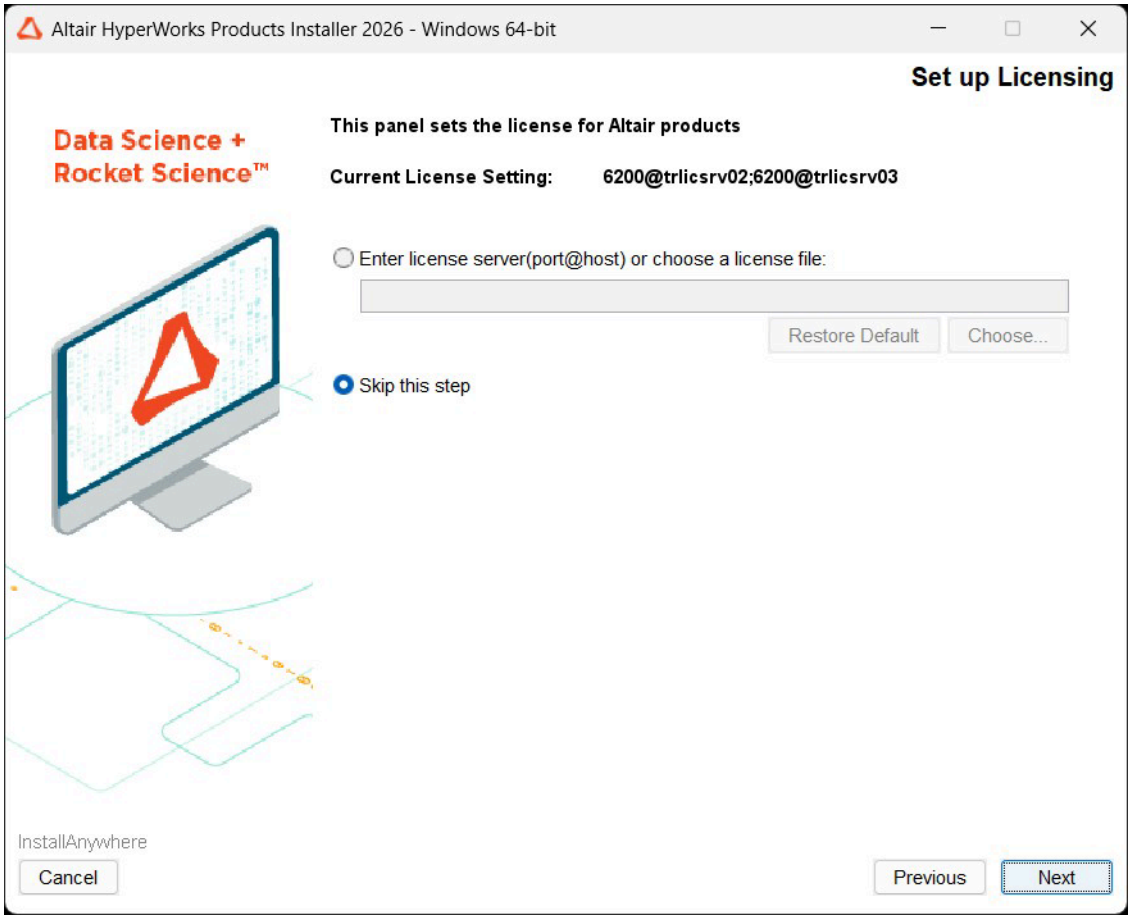


Figure 35:

14. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Click **Install** to continue.

> **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.

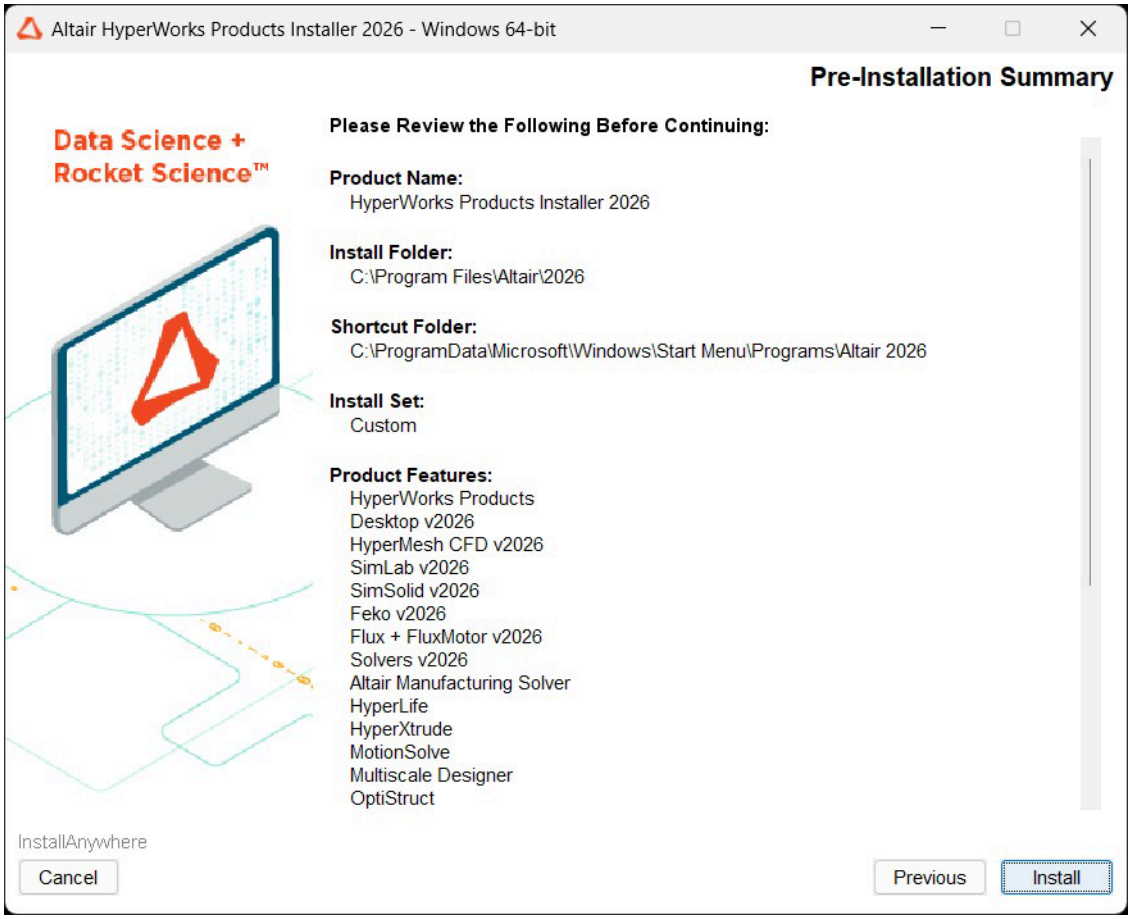


Figure 36:

15. Once the installation completes, click **Done** to exit the installer.

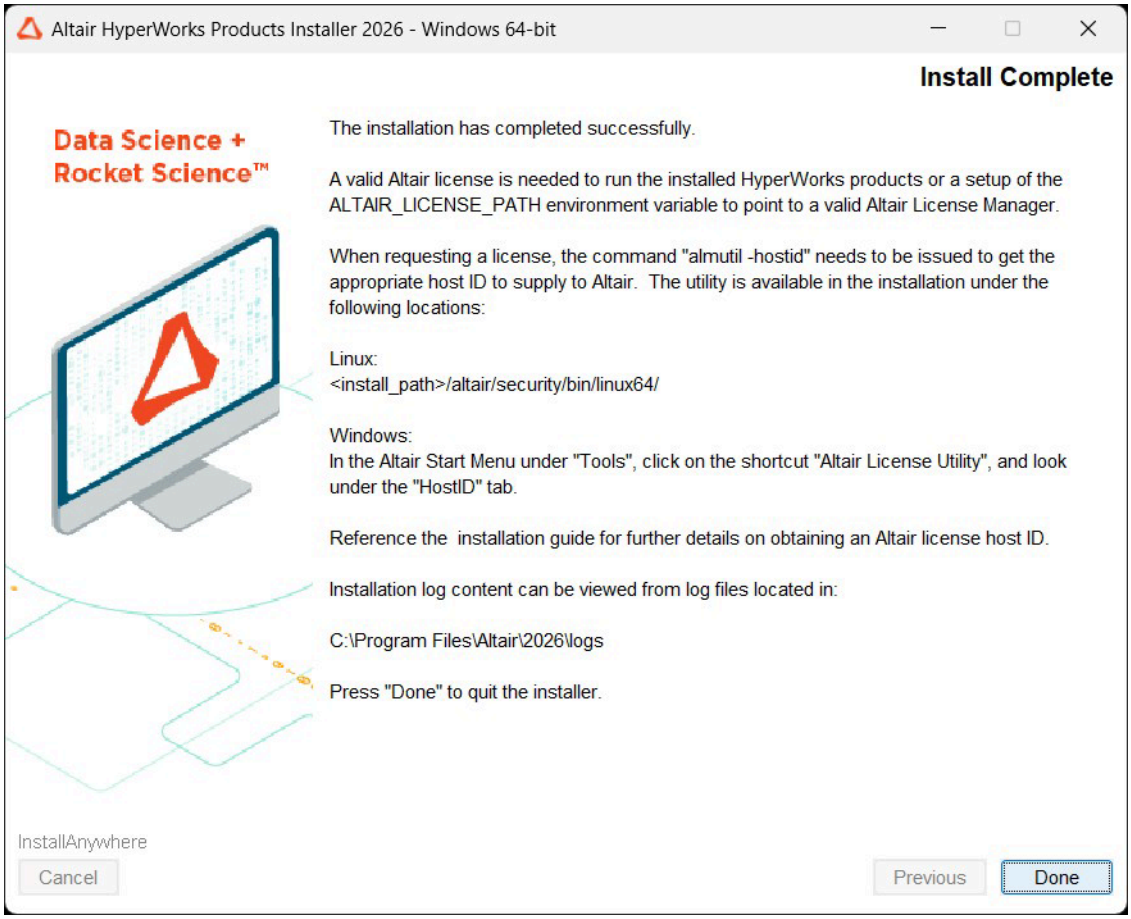

Altair HyperWorks Products Installer 2026 - Windows 64-bit
Install Complete
Data Science +
Rocket Science™
The installation has completed successfully.
A valid Altair license is needed to run the installed HyperWorks products or a setup of the ALTAIR_LICENSE_PATH environment variable to point to a valid Altair License Manager.
When requesting a license, the command "almutil -hostid" needs to be issued to get the appropriate host ID to supply to Altair. The utility is available in the installation under the following locations:
Linux:
<install_path>/altair/security/bin/linux64/
Windows:
In the Altair Start Menu under "Tools", click on the shortcut "Altair License Utility", and look under the "HostID" tab.
Reference the installation guide for further details on obtaining an Altair license host ID.
Installation log content can be viewed from log files located in:
C:\Program Files\Altair\2026\logs
Press "Done" to quit the installer.
InstallAnywhere
Cancel
Previous
Done

Figure 37:

Linux Installation

Complete the following steps to extract and install the software.

Altair HyperWorks install directories with spaces are not supported on Linux.

1. Open a command terminal window/prompt.
   a) `cd` – change directory – to the location where the installer executable resides.
   b) Execute the `sh` command on the installer binary, for example `sh hw2026_linux64.bin`.

   The Altair HyperWorks installer extracts the JVM (Java Virtual Machine) and the install modules to the TMP location of the machine and launches the installer.

```
sh hw2026_linux64.bin

Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
Extracting the installation resources from the installer archive...
Configuring the installer for this system's environment...

Launching installer...
```

   Note: If the `/tmp` location on the machine is full, the installer will try to use the user's home folder for temp files or the user can set the environment variable IATEMPDIR to a custom specified TMP location.

2. In the multi-language selector prompt, select the proper locale and click **OK** to continue.

   The language selection only corresponds to the installer settings not to the Altair HyperWorks product language settings. Altair HyperWorks products are in English.



Figure 38:

3. In the **License Agreement** panel, review the agreement, select the **I accept the terms of the License Agreement** check box, and click **Next** to proceed.

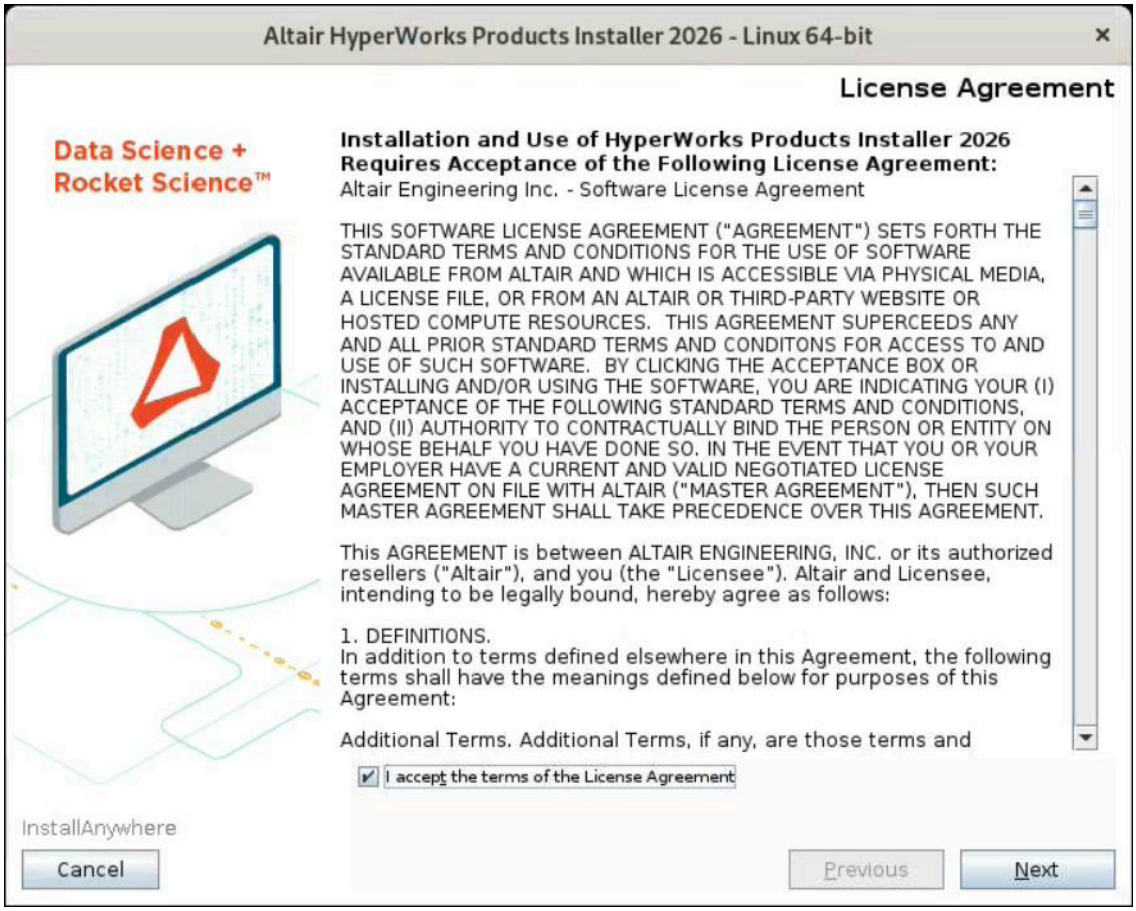


Figure 39:

4. In the **Introduction** panel, click **Next** to continue.

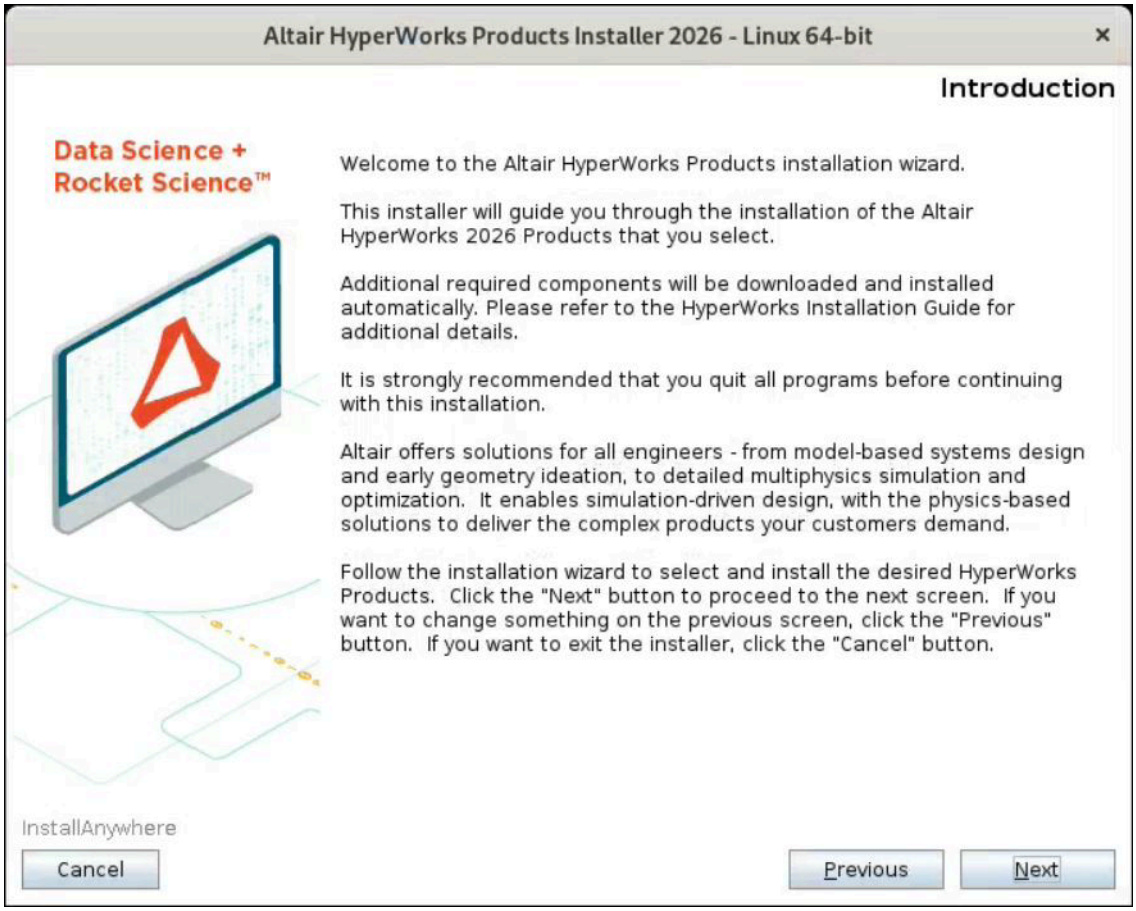


Figure 40:

5. In the **Choose Install Folder** panel, choose the Altair HyperWorks install directory and click **Next**.

Note:

- The installer does not allow the use of characters # and ;
- Installing to a root drive is not permitted, for example /

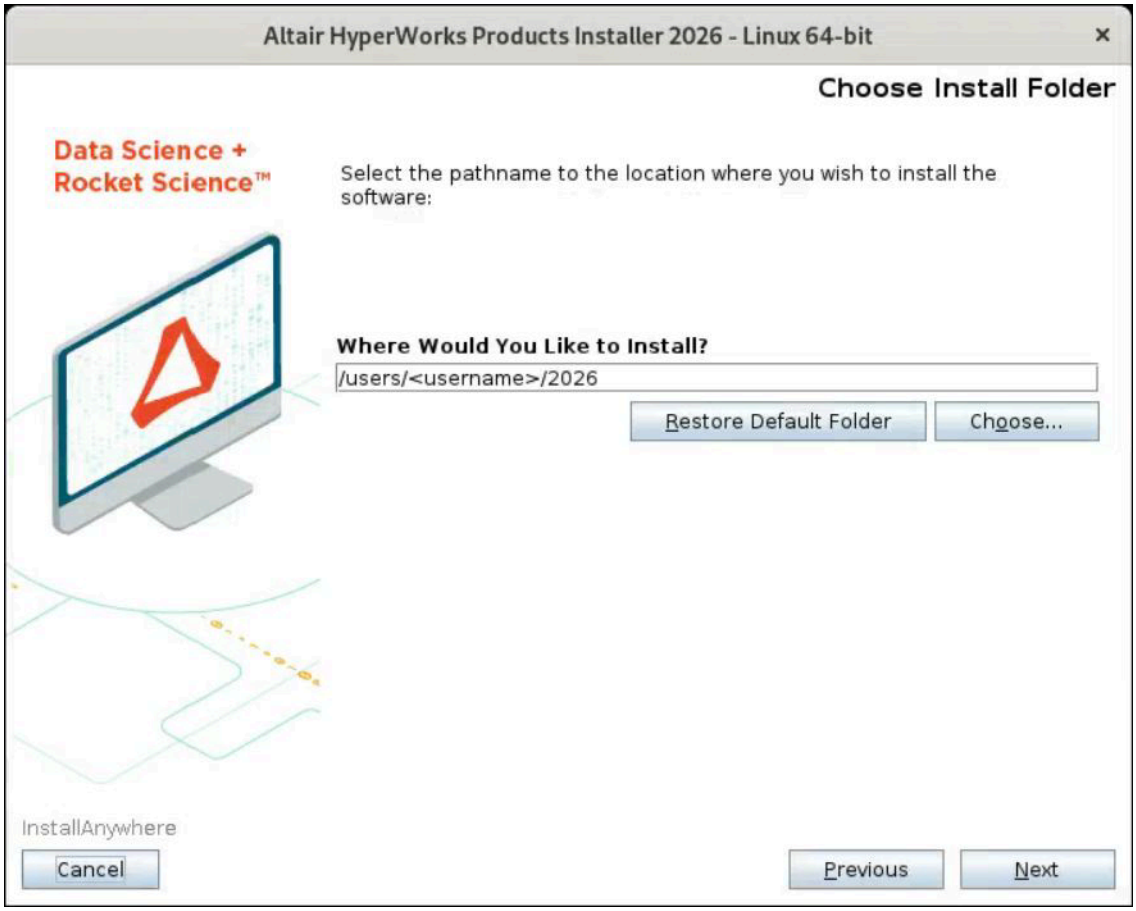


Figure 41:

6. In the **Choose Install Set** panel, select the products to install. Click **Next** to continue.

   You can now install compatible hotfixes, that are not selected by default, for HyperWorks Desktop, Mechanical Solvers, CFD Solvers, and Flux as well.

   Install Sets, which group products by discipline, can be accessed using the **Install Set** drop-down menu. Selecting an Install Set picks the products that are part of that set.

   Products that do not have sub-installer present or were not picked up by the Altair HyperWorks Products Installer in the residing directory will be listed as (Unavailable) and are not available to be installed.

   Note: Help installers and hotfixes will only be displayed if present.

   Note: You can no longer install a different version of an already installed product to the same location (for example, HyperWorks Desktop 2026.1 on top of HyperWorks Desktop 2026).

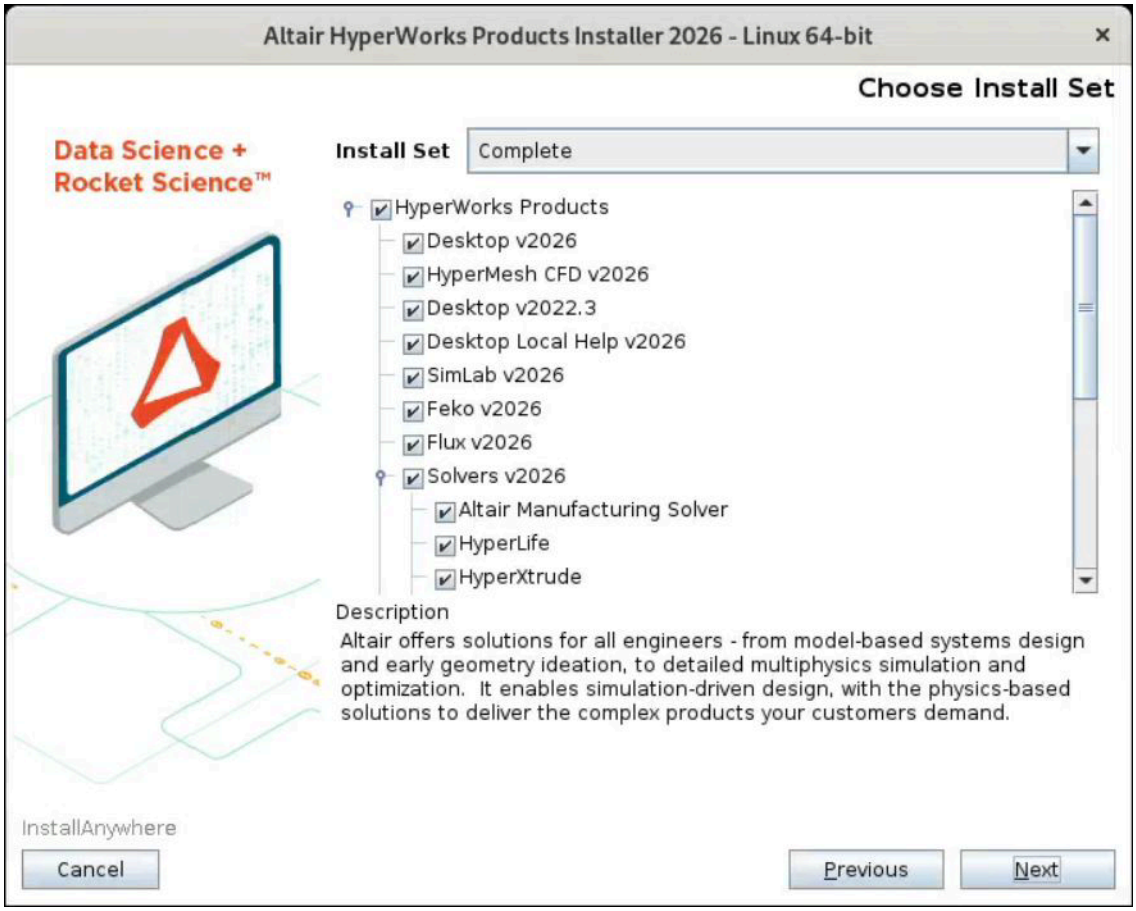


Figure 42:

7. If Desktop 2022.3 was selected to be installed, the **Install Folder for Desktop 2022.3** panel is displayed. You must install 2022.3 to a different directory than 2026. Click **Next** to continue.

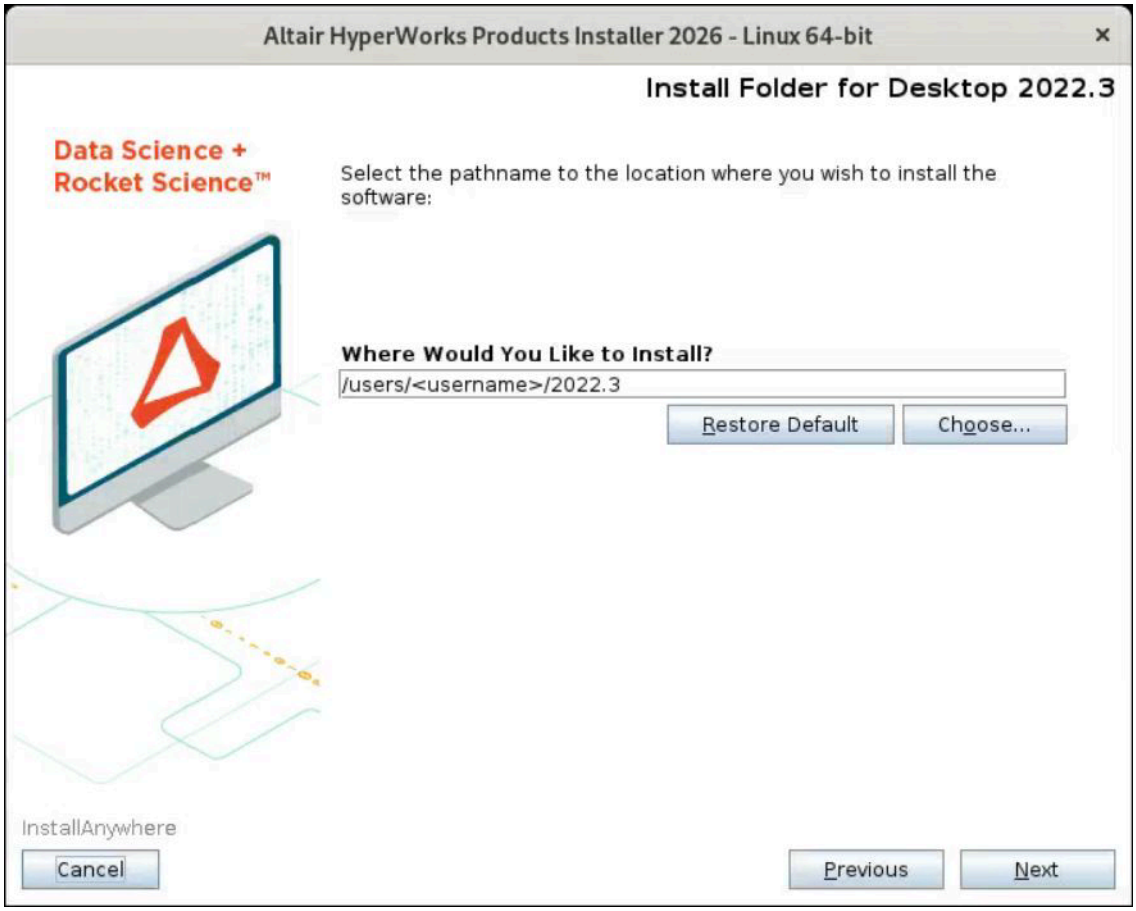


Figure 43:

8. In the **Choose Web Browser for Help** dialog, input the path of the internet browser to be used with the Altair HyperWorks Help. Click **Next** to continue.

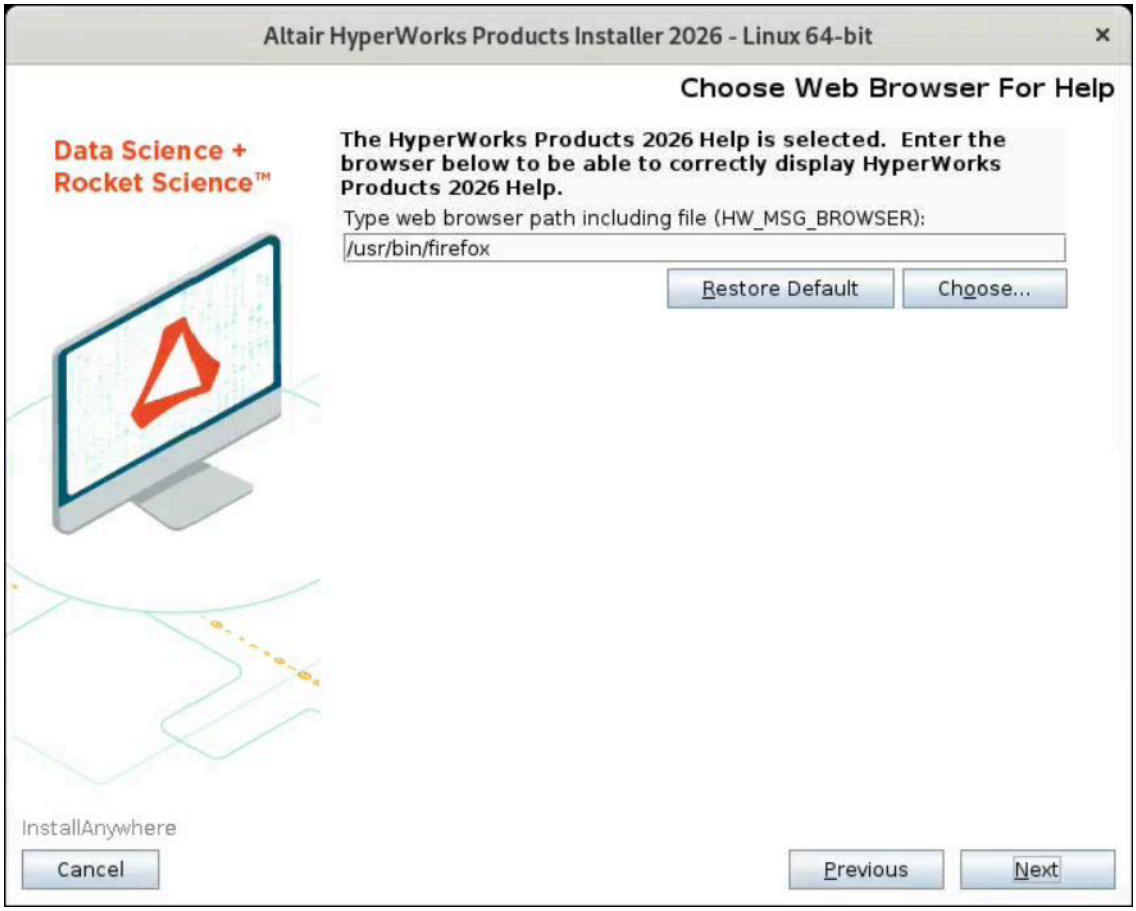


Figure 44:

9. If Help was NOT selected to be installed, the **Help Configuration** panel is displayed. Select one of the options:

- Choose **Connect to a network installed Help location** to input the path, either UNC or drive path, to where the Help was installed to create the product link.
- Choose **Connect to the Altair website Help** to allow the products to connect to the Altair website Help. A working Internet connection is needed for this functionality.
- Choose **Set up Later** to allow for a post Help install over the current installation. This option defaults to the website help if an existing help configuration file is not present.

Note: A valid Linux web browser will need to also be defined in this panel (HW_MSG_BROWSER).

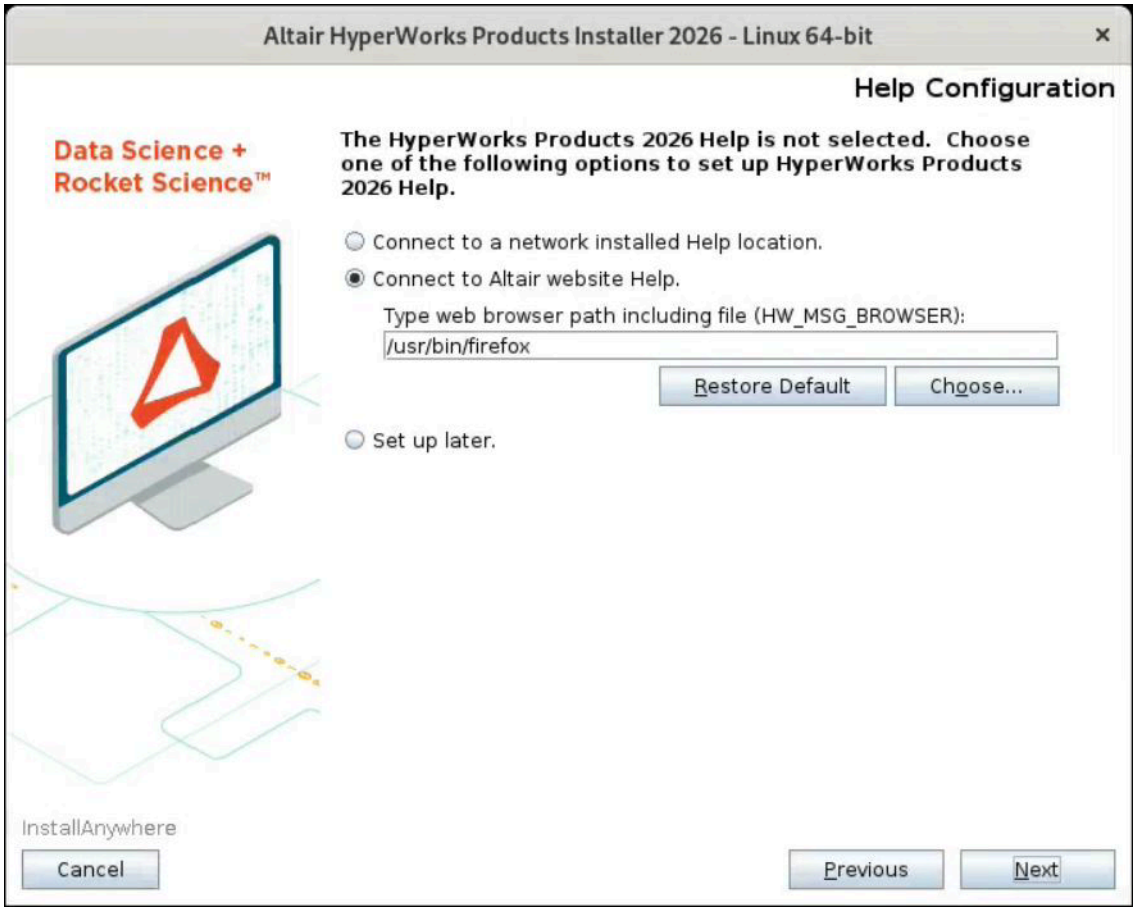


Figure 45:

10. In the **Pre-Installation Summary** panel, review the Product Features list, Install Folder and disk space requirements. Click **Install** to continue.

> **Note:** Install times are machine hardware dependent. Anti-virus software may lengthen the install times. The Altair HyperWorks sub-installer and Altair HyperWorks Products Installer may need to be allowed through any third party firewalls or virus scanning software in order to not be prompted during install time to allow them access to be installed.

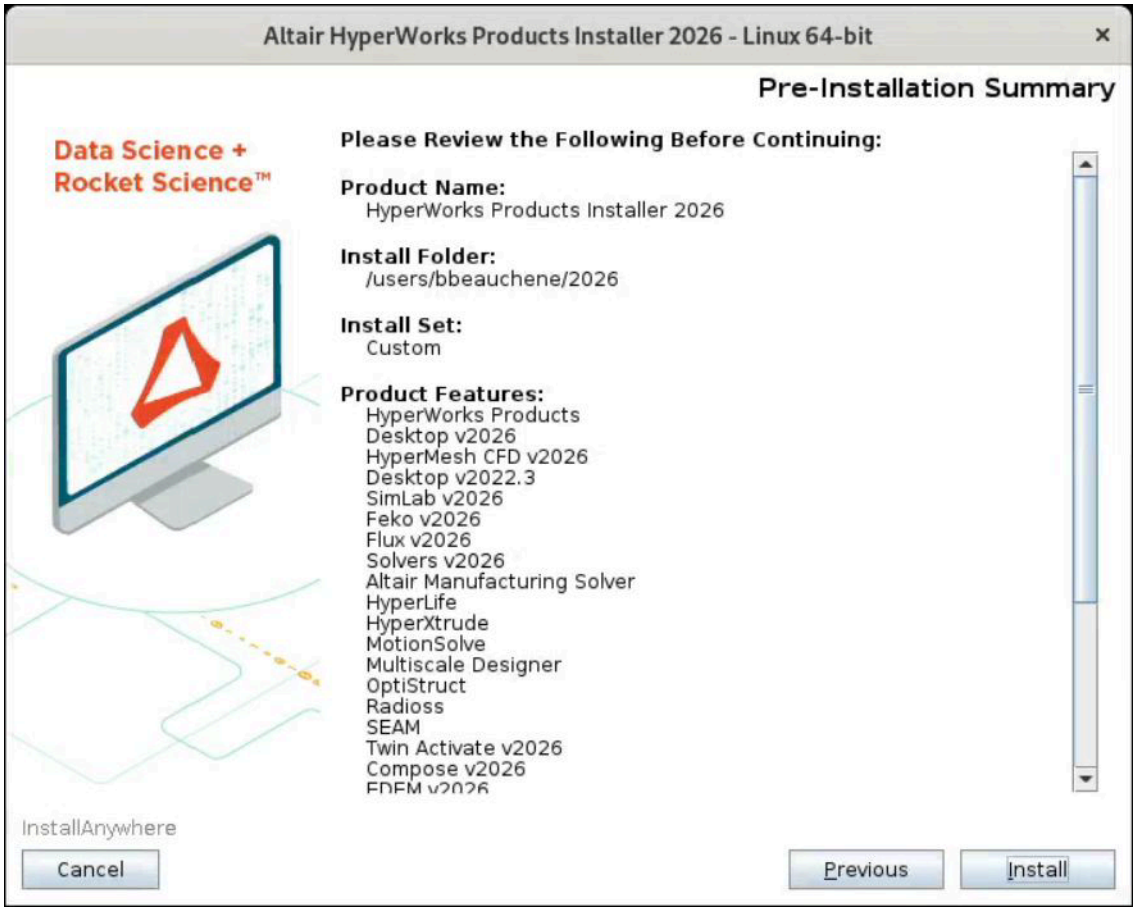


Figure 46:

11. Once the installation completes, click **Done** to exit the installer.

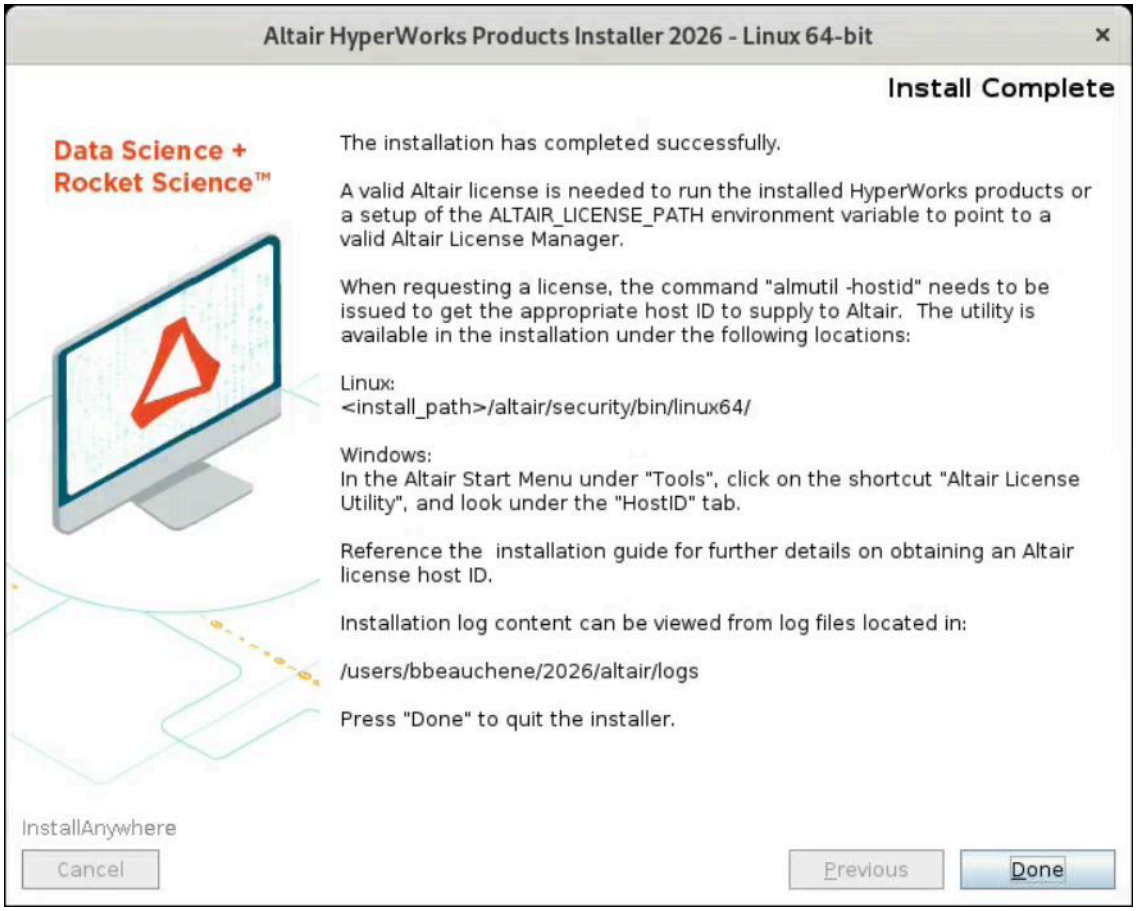

Altair HyperWorks Products Installer 2026 - Linux 64-bit
Install Complete
Data Science +
Rocket Science™
The installation has completed successfully.
A valid Altair license is needed to run the installed HyperWorks products or a setup of the ALTAIR_LICENSE_PATH environment variable to point to a valid Altair License Manager.
When requesting a license, the command "almutil -hostid" needs to be issued to get the appropriate host ID to supply to Altair. The utility is available in the installation under the following locations:
Linux:
<install_path>/altair/security/bin/linux64/
Windows:
In the Altair Start Menu under "Tools", click on the shortcut "Altair License Utility", and look under the "HostID" tab.
Reference the installation guide for further details on obtaining an Altair license host ID.
Installation log content can be viewed from log files located in:
/users/bbeauchene/2026/altair/logs
Press "Done" to quit the installer.
InstallAnywhere
Cancel
Previous
Done

Figure 47:

Hardware Recommendations and Certifications

View the most recent recommended graphic boards, laptops and desktop hardware configurations.

Notice: On October 14, 2025, Microsoft Windows 10 reached its end of support. Following Microsoft's messaging, all Altair 2026.0 applications no longer support Windows 10. Altair is providing this information to help our customers accommodate this change. Altair 2026.0 supports the Windows 11 operating system, along with our other Linux-based operating systems. Please contact your local Altair support team if you have any questions or concerns.

Important: For Linux users, RHEL or CIQ Rocky Linux 9.4 or higher is **required** to install and run HyperWorks 2026 products.

This change applies only to the HyperWorks 2026 release and future versions. Your existing installations of HyperWorks 2025.1 and earlier will continue to work unchanged on their currently supported operating systems.

For more information, please see this notice on Altair Community.

Recommended Graphics Boards

Recommended CAE/CAD graphic boards to use with Altair HyperWorks applications.

The most recent vendor/manufacturer drivers should be used and all driver support for these cards should be addressed to the appropriate manufacturer of the graphic board.

Added Intel® Arc™ support.

Note: AMD and Intel® Arc™ graphics cards are not supported on Linux x86_64 operating systems in Altair HyperWorks 2022 and higher products.

Intel Arc Graphics Cards

Products	GPU Model	Driver Version
Intel® Arc™	A40 A50	*Windows 11 (64-bit)* 32.0.101.6979 – Q3.25 *Linux (64-bit)* Not Supported
Intel® Arc™ mobility	A30M A40M	*Windows 11 (64-bit)* 32.0.101.6979 – Q3.25

Products	GPU Model	Driver Version
	A50M A60M T140M ARC Pro Graphics	*Linux (64-bit)* Not Supported

AMD Graphics Cards

Products	GPU Model	Driver Version
Radeon™	RX 9070 XT RX 9070 AI Pro R9700	*Windows 11 (64-bit)* Adrenaline 25.3.2 *Linux (64-bit)* Not Supported
Radeon™ Pro	W7900 W7800 W7600 W7500 W6800 W6600 W6400 VII WX 9100 W5700 WX 8200 W5500 WX 7100 WX 5100 WX 4100 WX 3200 WX 3100 WX 2100	*Windows 11 (64-bit)* 24.Q2 *Linux (64-bit)* Not Supported

Products	GPU Model	Driver Version
Radeon™ Pro Mobility	AMD Radeon R7 Pro 780M AMD Radeon R5 Pro 740M AMD Radeon R5 Pro 760M AMD APU 840M AMD APU 860M AMD APU 880M	*Windows 11 (64-bit)* 24.Q2 *Linux (64-bit)* Not Supported

NVIDIA Graphics Boards

Products	GPU Model				Driver Version
	RTX (Turing)	A* (Ampere)	Ada Generation	Blackwell Generation	
NVIDIA	RTX 3000 RTX 4000 RTX 5000 RTX 6000 RTX 8000 T400 T600 T1000	RTX A2000 RTX A3000 RTX A4000 RTX A4500 RTX A5000 RTX A6000	RTX 4000 Ada SFF RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada	RTX PRO 6000 RTX PRO 5000 RTX PRO 4500 RTX PRO 4000	*Windows 11 (64-bit)* R580 U4 (581.42) *Linux (64-bit) ODE Long Live* 580.95.05
NVIDIA Mobility	T400 T550 T600 T1000 T1200 T2000 RTX 3000 RTX 4000 RTX 5000	RTX A500 RTX A1000 RTX A2000 RTX A3000 RTX A4000 RTX A4500 RTX A5000 RTX A5500	RTX 1000 Ada RTX 2000 Ada RTX 3000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada	RTX PRO 5000 RTX PRO 4000 RTX PRO 3000 RTX PRO 2000 RTX PRO 1000 RTX PRO 500	*Windows 11 (64-bit)* R580 U4 (581.42) *Linux (64-bit) ODE Long Live* 580.95.05

Note:

Minimum OpenGL 3.3, Vulkan 1.2 and OpenCL 2.1 Requirement
Virtual server/clients and VirtualGL setups may work, but are not officially tested or supported.

NVIDIA Optimus or AMD Switchable Graphics
In order to ensure best performance, these options should be set to use discrete NVIDIA or AMD GPU and not the Intel GPU.

Power Options and Mobility Center
In order to ensure best performance, these options should be maximum performance for both GPU and CPU.

Graphics Driver Corruption or Installation Issues
In order to ensure best driver compatibility, it is recommended to use "Custom" and "Clean" install options instead of the general "Express" driver installer options.

Recommended Workstation Desktop and Laptop/ Notebook Hardware

DELL Workstations - Desktops

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
Dell Pro Max Micro FCGT2250	RTX A400 RTX A1000 RTX 2000 Ada RTX 4000 SFF Ada	Intel Arc Graphics / T140M	Radeon Pro W7400
Dell Pro Max Slim FCS1250	RTX A400 RTX A1000 RTX 2000 Ada RTX 4000 SFF Ada	Intel Arc Graphics / T140M	Radeon Pro W7400
Dell Pro Max Tower T2	RTX A400 RTX A1000 RTX 2000 Ada	Intel Arc Graphics / T140M	Radeon Pro W7400 Radeon Pro W7500 Radeon Pro W7600

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
	RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX PRO 6000		
3260	T400 T1000 RTX A2000 RTX 3000 Ada		
3280	T400 T1000 RTX A400 RTX A1000 RTX 1000 Ada RTX 2000 Ada RTX 4000 Ada SFF		
3460 (mini)	RTX 3000		
3460 SFF	T400 T1000 RTX A2000		
3460-RPL-S	T400 T1000 RTX A400 RTX A1000 RTX 2000 Ada RTX 4000 Ada SFF		
3480	T1000		

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
	RTX 2000 RTX 4000 RTX 4500 RTX 5000		
3660T	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX A6000		
3680	T400 T1000 RTX A400 RTX A1000 RTX 2000 Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada		W6300 W6400 W7500 W7600 W7700 W7900
5860T	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500		W6300 W6400 W6600 W6800

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
	RTX A6000		
7865T	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX A6000 GV100		
7960T	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX A6000		W6300 W6400 W6600 W6800
7960 Rack	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX A6000		W6300 W6400 W6600 W6800

DELL Workstations - Laptops

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
Dell Pro Max 14 MC14250	RTX PRO 500	Intel Arc Graphics / T140M	
Dell Pro Max 14 Premium MA14250	RTX PRO 1000 RTX PRO 2000	Intel Arc Graphics / T140M	
Dell Pro Max 16 MC16250	RTX PRO 500 RTX PRO 1000 RTX PRO 2000	Intel Arc Graphics / T140M	
Dell Pro Max 16 Plus MB16250	RTX PRO 1000 RTX PRO 2000 RTX PRO 3000 RTX PRO 4000 RTX PRO 5000	Intel Arc Graphics / T140M	
Dell Pro Max 16 Premium MA16250	RTX PRO 500 RTX PRO 1000 RTX PRO 2000	Intel Arc Graphics / T140M	
Dell Pro Max 18 Plus MB18250	RTX PRO 1000 RTX PRO 2000 RTX PRO 3000 RTX PRO 4000 RTX PRO 5000	Intel Arc Graphics / T140M	
Dell Pro Max 16 MC16255	RTX PRO 500 RTX PRO 1000		AMD Radeon Pro Graphics
Dell Pro Max 14 MC14255			AMD Radeon Pro Graphics
3470	T550		

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
3480	RTX A500		
3490	RTX 500 Ada		
3560	T500		
3561	T600 T1200		
3570	T550 T600 RTX A500		
3571	T600 RTX A1000 RTX A2000		
3580	RTX A500		
3581	RTX A500 RTX A1000 RTX 2000 Ada		
3590	RTX 500 Ada		
3591	RTX A500 RTX A1000 RTX A2000 RTX 500 Ada RTX 1000 Ada RTX 2000 Ada RTX 3500 Ada		
5470	RTX A1000		
5480	RTX A1000		

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
	RTX 2000 Ada RTX 3000 Ada		
5490	RTX A1000 RTX A2000 RTX A3000 RTX 1000 Ada RTX 2000 Ada RTX 3000 Ada		
5560	T1200 RTX A2000		
5570	RTX A1000 RTX A2000		
5680	RTX A1000 RTX 2000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada		
5690	RTX 1000 Ada RTX 2000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada		
5760	RTX A2000 RTX A3000		N/A
5770	RTX A2000 RTX A3000		

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
7560	T1200 RTX A2000 RTX A3000 RTX A4000 RTX A5000		
7670	RTX A1000 RTX A2000 RTX A3000 RTX A4500 RTX A5500		
7680	RTX A1000 RTX 500 Ada RTX 1000 Ada RTX 2000 Ada RTX A3500 Ada RTX 4000 Ada RTX 5000 Ada		
7760	T1200 RTX A3000 RTX A4000 RTX A5000		
7770	RTX A1000 RTX A3000 RTX A4500 RTX A5500		N/A
7780	RTX A1000 RTX 2000 RTX 1000 Ada		

Product	**Precision Workstation**		
Workstation Model	**NVIDIA Quadro GPU**	**Intel Arc**	**AMD Radeon™ Pro GPU**
	RTX 2000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada		

Lenovo Workstations - Desktops

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
P2 TWR	T400 (E) T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX 2000 (E) Ada		
P2 TWR Gen 2	RTX A400 RTX A1000 RTX 2000 Ada		
P340 SFF / P340 TWR*	T400 T600 T1000 RTX A2000* RTX 4000* RTX 5000* RTX A4000* RTX A5000*		

Product	Lenovo ThinkStation		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX 2000 (E) Ada		
P340 Tiny	T1000 RTX 2000 (E) Ada		
P348	T400 T600 T1000 RTX 2000 (E) Ada		
P350 SFF / **P350 TWR***	T400 T600 T1000 RTX A2000 RTX A4000* RTX A5000* RTX 2000 (E) Ada		
P350 Tiny	T600 T1000 RTX 2000 (E) Ada		
P358 TWR	T600 T1000 RTX A2000 RTX 2000 (E) Ada		
P360 Ultra*/ **P360 TWR**	T400 T600 T1000 RTX A2000 RTX A4000 RTX A4500		

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX A5000 RTX A5000m* RTX 2000 (E) Ada		
P360 Tiny	T400 T1000 RTX 2000 (E) Ada		
P3 Tiny	T400 T1000 RTX A400 RTX A1000		
P3 Tiny Gen 2	RTX A400 RTX A1000		
P3 TWR	T400 (E) T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX 2000 (E) Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 5880 Ada		
P3 TWR	RTX A400		

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
Gen 2	RTX A1000 RTX 2000 Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX 4500 Blackwell RTX 6000 Blackwell 300/600W		
P3 Ultra	T400 T1000 RTX A400 RTX A1000 RTX A2000 RTX A3000 RTX A5000 RTX A5500 RTX 2000 Ada RTX 4000 Ada		A40 Pro
P3 Ultra SFF Gen 2	RTX A400 RTX A1000 RTX 2000 Ada RTX 4000 Ada SFF		
P520* / P520c	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000	N/A	

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX A5500 RTX A6000* RTX 2000 (E) Ada		
P5	T400 (E) T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX A4500 RTX A5500 RTX A6000 RTX 2000 (E) Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX 4000 Blackwell RTX 4500 Blackwell RTX 5000 Blackwell RTX 6000 Blackwell 300/600W Max-Q Blackwell		
P620 (AMD Ryzen PRO 3975X) / **(AMD Ryzen Threadripper PRO 5955WX)**	T400 T1000 RTX A2000 RTX A4000 RTX A4500 RTX A5000	W7600 W7900	

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX A5500 RTX A6000 RTX 2000 (E) Ada RTX 4000 Ada RTX 5000 Ada RTX 5880 Ada RTX 6000 Ada		
P720 / P920	T400 T600 T1000 RTX 4000 RTX 5000 RTX 6000 RTX 8000 RTX A2000 RTX A4000 RTX A4500 RTX A5000 RTX A5500 RTX A6000 RTX 2000 (E) Ada		
P7	T400 (E) T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX A4500 RTX A5500		

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX A6000 RTX 2000 (E) Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX 4000 Blackwell RTX 4500 Blackwell RTX 5000 Blackwell RTX 6000 Blackwell 300/600W		
P8	T400 (E) T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX A6000 RTX 2000 (E) Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX 4000 Blackwell RTX 4500 Blackwell RTX 5000 Blackwell RTX 6000 Blackwell 300/600W	W6400 W7600 W7900	
PX	T400 (E)		

Product	**Lenovo ThinkStation**		
Workstation Model	**NVIDIA Quadro GPU (442.92 or higher)**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	T1000 RTX A400 RTX A1000 RTX A2000 RTX A4000 RTX A4500 RTX A5500 RTX A6000 RTX 2000 (E) Ada RTX 4000 Ada RTX 4500 Ada RTX 5000 Ada RTX 6000 Ada RTX 4000 Blackwell RTX 4500 Blackwell RTX 5000 Blackwell RTX 6000 Blackwell 300/600 W		

Lenovo Workstations - Laptops

Product	**Workstation Model**		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
P1 **Gen 4**	T1200 RTX A2000 RTX A3000 RTX A4000 RTX A5000		

Product	**Workstation Model**		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
P1 **Gen 5**	RTX A1000 RTX A2000 RTX A3000 RTX A4000 RTX A5500		
P1 **Gen 6**	RTX A1000 RTX 2000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada		
P1 **Gen 7**	RTX 1000 Ada RTX 2000 Ada RTX 3000 Ada		Arc Pro Graphics
P1 **Gen 8**	RTX PRO B1000 RTX PRO B2000		Arc 140T
P14s **Gen 2**	T500	AMD APU 5500	
P14s **Gen 3a**	N/A	Radeon PRO Graphics	
P14s **Gen 3i**	T550		
P14s **Gen 4**	RTX A500	AMD Ryzen 7 PRO 7840U with Radeon 780M	
P14s	RTX 500 Ada	AMD Radeon PRO 760M	Arc Pro Graphics

Product	Workstation Model		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
Gen 5		AMD Radeon PRO 780M	
P14s **Gen 5a**		AMD Radeon PRO 760M AMD Radeon PRO 780M	
P14s **Gen 6a**		AMD APU 840M AMD APU 860M AMD APU 890M	
P14s **Gen 6i**	RTX PRO B500 RTX PRO B1000		Arc 140T
P15 **Gen 1**	T1000 T2000 RTX 3000 RTX 4000		
P15 **Gen 2**	T1200 RTX A2000 RTX A3000 RTX A4000 RTX A5000		
P15s **Gen 2**	T500		
P15v **Gen 2**	T600 T1200 RTX A2000		
P15v **Gen3a/Gen3i**	T600 T1200 RTX A2000		

Product	**Workstation Model**		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
P16 **Gen 1**	RTX A1000 RTX A2000 RTX A3000 RTX A4500 RTX A5500		
P16 **Gen 2**	RTX A1000 RTX 1000 Ada RTX 2000 Ada RTX 3500 Ada RTX 4000 Ada RTX 5000 Ada		A30M
P16 **Gen 3**	RTX PRO B1000 RTX PRO B2000 RTX PRO B3000 RTX PRO B4000 RTX PRO B5000		
P16s **Gen 1a**		Radeon PRO Graphics	
P16s **Gen 1i**	T550		
P16s **Gen 2**	RTX A500	AMD Ryzen 7 PRO 7840U with Radeon 780M	
P16s **Gen 3**	RTX 500 Ada		Arc Pro Graphics
P16s		AMD APU 840M AMD APU 860M	

Product	**Workstation Model**		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
Gen 4a		AMD APU 890M	
P16s **Gen 4i**	RTX PRO B500 RTX PRO B1000		Arc 140T
P16s **Gen 6i**	RTX B500 RTX B1000		Arc 140T
P16v **Gen 1**	RTX A500 RTX A1000 RTX 2000 Ada		
P16v **Gen 2**	RTX 500 Ada RTX 1000 Ada RTX 2000 Ada RTX 3000 Ada		Arc Pro Graphics
P16v **Gen 3**	RTX PRO B500 RTX PRO B1000 RTX PRO B2000		
P17 **Gen 1**	T1000 T2000 RTX 3000 RTX 4000 RTX 5000		
P17 **Gen 2**	RTX A4000 RTX A5000		
P73*	T2000 RTX 3000 RTX 4000		

Product	**Workstation Model**		
Lenovo ThinkPad	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**	**Intel Arc GPU**
	RTX 5000		

SuperMicro Workstations

Product	**SuperMicro**	
System Model **AS- 5014A-TT**	**NVIDIA Quadro GPU**	**AMD Radeon™ Pro GPU**
Mainstream **Ryzen Threadripper Pro 3955WX**	RTX A4500	W6800
Performance **Ryzen Threadripper Pro 3975WX**	RTX A4500	W6800
Expert **Ryzen Threadripper Pro 3995WX**	RTX A4500	W6800
	(visit SuperMicro for a complete GPU support list)	

Comments

For NVIDIA GPU based laptops/notebooks the Optimus power saving option in the BIOS should be disabled and the NVIDIA drivers properly installed for optimal performance in Altair HyperWorks products.

For AMD GPU based laptops/notebooks; the Enduro/Switchable Graphics power saving option should be disabled and the AMD drivers properly installed for optimal performance in Altair HyperWorks products.

Optimus (Intel/NVIDIA) enabled drivers may create performance issues with notebooks/laptops compared to a dedicated non-shared GPU driver. Disabling the Optimus feature in BIOS, if available, will help give the best overall graphics performance.

Disable nView Window manager under NVIDIA drivers if you experience random crashes and/or issues.

All power saving modes, settings and governors for CPU frequencies and GPU performance should be set to maximum settings in order to get the optimal performance out of Altair HyperWorks products. This includes smooth graphics and high frame rates (FPS) on Windows and Linux platforms.

Altair HyperWorks 2026 Solver Hardware Configuration Recommendations

Recommended hardware configurations for Altair Solvers.

AcuSolve Solver

Table 2:

Problem Size	Small	Medium	Large
Typical Workload Steady State or Transient	Steady state: Up to 1M nodes Transient: Up to 100K nodes	Steady state: Up to 10M nodes Transient: Up to 1M nodes	Steady state: Greater than 10M nodes Transient: Greater than 1M nodes
Throughput [4]	Single job	Single job	Single job
CPU [5]	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or AMD EPYC 7002 or 7003 series	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or AMD EPYC 7002 or 7003 series	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or AMD EPYC 7002 or 7003 series
Number of CPU / node	1-4	1-4	1-4
Number of cores / node	32 – 128	32 – 128	32 – 128
Number of nodes	1-8	8 – 48	>48
Minimum Memory Configuration / node [6]	300MB to 3GB	3GB to 30GB	More than 30GB (3KB per CFD node)
Storage (minimum)	500 GB SATA or SSD	1.5 TB local storage	1.5 TB local storage
Network Interconnect	Gigabit Ethernet Or Infiniband	Infiniband	Infiniband
Operating System	RHEL 9.4 or Windows 11	RHEL 9.4 or Windows 11	RHEL 9.4 or Windows 11
GPU	Yes for Steady state	Yes for Steady state	Yes for Steady state
MPI	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher
Setup	Pure OpenMP or Hybrid OpenMP/MPI	Hybrid OpenMP/MPI	Hybrid OpenMP/MPI

Problem Size	Small	Medium	Large
(2000-3000 computational nodes per core)			
Hyper-Threading	Not recommended	Not recommended	Not recommended

Feko Solver

Table 3:

Problem Size	Small	Medium	Large
General recommendations given for MoM and MLFMM dependent on problem size in terms of number of unknowns / mesh elements. For other solution methods (FEM, FDTD, RL-GO, PO, UTD) many factors to be considered.	Pure Mom: less than 50k unknowns. MLFMm: between 100k and 500k unknowns	Pure Mom: between 50k and 100k unknowns. MLFMm: between 500k and 5M unknowns	Pure Mom: >100k unknowns MLFMm: >5M unknowns
Throughput [4]	Single job	Single large job or few jobs in parallel	Single very large job or multiple jobs
CPU [5]	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or later	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or later	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or later
Number of CPU / node	2	2	2
Number of cores / node	32 – 56	32 – 56	32 – 56
Number of nodes	1	8 – 16	> 16
Minimum Memory Configuration / node [6]	64 GB	128 GB	256 GB
Storage (minimum)	500 GB SATA or SSD	500 GB SATA or SSD	500 GB SATA or SSD
Network Interconnect	Gigabit Ethernet	Infiniband	Infiniband

Problem Size	Small	Medium	Large
Operating System	RHEL or CentOS 8.3 Windows 11	Linux kernel 2.6.32 or higher	Linux kernel 2.6.32 or higher
GPU	Yes	No	No
MPI	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher
Setup	Pure MPI	Pure MPI	Pure MPI
Hyper-Threading	Not recommended	Not recommended	Not recommended

Flux Solver

Table 4:

Problem type	Small	Medium	Large
Typical Workload (depending on number of DOF, element type, and other factors)	< 300 000 DOF	Around 500 000 DOF	Around 5M DOF
Throughput [4]	Single	Single	Single
CPU [5]	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake"	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake"	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake"
Number of CPU / node	1	2	2
Number of cores / node	8	16	16+
Number of nodes	1	1	1-4
Minimum Memory Configuration / node [6]	8 GB	16-32 GB	300GB
Storage (minimum)	500 GB SATA or SSD	1 TB local storage SSD	1.5 TB local storage SSD
Network Interconnect			Infiniband
Operating System	Linux kernel 3.10.0-693 or higher	Linux kernel 3.10.0-693 or higher	Linux kernel 3.10.0-693 or higher

Problem type	Small	Medium	Large
	Windows 11 with SSD	Windows 11 with SSD	Windows 11 with SSD
GPU	No	No	No
MPI	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher
Setup	SMP	SMP or Hybrid 2MPI/node	SMP or Hybrid 2MPI/node
Hyper-Threading	Not recommended	Not recommended	Not recommended

Radioss Solver

Table 5:

Problem Size	Small	Medium	Large
Typical Workload Crash & Impact	Component tests, sled test, drop test, … Less than 500K elements	Medium crash model, between 1 and 6 millions of elements model	Accurate car crash model (rupture), very large model with size > 6 million elements
Throughput [4]	Single job	Single large job or few jobs in parallel	Single very large job or multiple jobs
CPU [5]	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or AMD EPYC 7002 or 7003 series	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake" or AMD EPYC 7002 or 7003 series	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lke" or AMD EPYC 7002 or 7003 series
Number of CPU / node	2	2	2
Number of cores / node	32 – 64	32 – 128	32 – 128
Number of nodes	1	8 – 16	> 16
Minimum Memory Configuration / node [6]	64-128GB	64-256GB	64-256GB
Storage (minimum)	500 GB SATA or SSD	1,5 TB local storage	1,5 TB local storage
Network Interconnect	Gigabit Ethernet	Infiniband	Infiniband

Problem Size	Small	Medium	Large
Operating System	Linux kernel 2.6.32 or higher Windows 11	Linux kernel 2.6.32 or higher	Linux kernel 2.6.32 or higher
GPU	No	No	No
MPI	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher	Intel MPI 2018.4 or higher
Setup	Pure MPI	Pure MPI or Hybrid with 2 or 4 OpenMP threads per MPI	Hybrid with 2 or 4 OpenMP threads per MPI
Hyper-Threading [8]	Yes, Hybrid with 2 OpenMP per MPI	Not recommended	Not recommended

OptiStruct Solver

Table 6:

Problem type	Small or medium	Large static	Large dynamic
Typical Workload (depending on number of DOF, element type, and other factors)	Nonlinear - less than 2M DOF; linear static - less than 5M DOF; NVH - less than 5M DOF	Nonlinear - more than 2M DOF; linear static - more than 5M DOF	NVH - more than 5M DOF
Throughput [4]	Single	Single	Single or few jobs in parallel
CPU [5]	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake"	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake	Dual CPU socket For example, Intel Xeon Gold "Cascade Lake" or "Ice Lake"
Number of CPU / node	2	2	2
Number of cores / node	8-24	24+	24+
Number of nodes	1	1-8	1-8
Minimum Memory Configuration / node [6]	16-64GB	128GB	256GB

Problem type	Small or medium	Large static	Large dynamic
Storage (minimum)	512GB local storage	1TB local storage	3 TB local storage, SSD and RAID0 recommended
Network Interconnect		Infiniband	Infiniband
Operating System	Linux kernel 2.6.32 or higher Windows 11 with SSD	Linux kernel 2.6.32 or higher Windows 11 with SSD	Linux kernel 2.6.32 or higher Windows 11 with SSD
GPU	Yes	Yes	Yes (Eigenvalue Extraction – AMSES or Lanczos)
MPI	Linux: Intel MPI 2018.4 (recommended) Windows: Intel MPI 5.1.0.078 (recommended)	Linux: Intel MPI 2018.4 (recommended) Windows: Intel MPI 5.1.0.078 (recommended)	Linux: Intel MPI 2018.4 (recommended) Windows: Intel MPI 5.1.0.078 (recommended)
Setup	SMP or DDM hybrid or SMP+GPU	DDM hybrid or SMP +GPU	SMP or DDM hybrid or SMP+GPU
Hyper-Threading	Not recommended	Not recommended	Not recommended

4. Number of simultaneous jobs. Use of a workload management middleware like Altair PBS is highly recommended to ensure optimal and dedicated usage of the CPU resource.
5. Typical node configuration is based on dual CPU socket processors.
6. It is extremely important to populate all the memory banks on the motherboard.
7. In Hybrid mode, it is recommended to set a number of MPIs that is a multiple of the number of sockets and then set the number of OpenMP in a way that number of MPIs x number of OpenMP equals the number of physical cores.
8. Hyper-Threading (HT) may increase performance by around 10% on single node. In this case, recommended setup is to run 2 OpenMP per MPI, with a number of MPIs that matches the total number of physical cores on the node. On multinode systems, it is better not to use HT.

Recommended GPU Computing Processor List

Recommended graphic boards for use with the Altair Solver applications for high-powered GPU computing.

The following table lists the recommended graphic boards for use with the Altair Solver applications for high-powered GPU computing.

	Manufacturer and Model	Graphics Card	Driver Version (Minimum or Higher)
AcuSolve	NVIDIA (Data Center)	A100, A40, H100	Linux (64-bit) 515 Windows (64-bit) 515
	NVIDIA (Quadro)	Quadro RTX series or RTX/T variants	Linux (64-bit) 515 Windows (64-bit) 515
OptiStruct	NVIDIA (Tesla)	P100 V100	Linux (64-bit) 440.33 Windows (64-bit) 441.22
	NVIDIA (Quadro)	GP100 GV100	Linux (64-bit) 440.33 Windows (64-bit) 441.22

Note:

- The most recent vendor/manufacturer drivers should be used and all driver support for these cards should be addressed to the appropriate manufacturer of the graphics board.
- Double Precision GPU cards should be used to run OptiStruct. Single precision GPU cards (such as RTX 600, etc) are not recommended for OptiStruct runs.

Additional Information on Driver Installations

The NVIDIA Driver Update recommendation is to use the **Custom installation** option and select the **Perform clean installation** option to validate that there are no conflicts in DLL/drivers.

The same should be done with AMD hardware and drivers as well using AMD's custom uninstall tools.

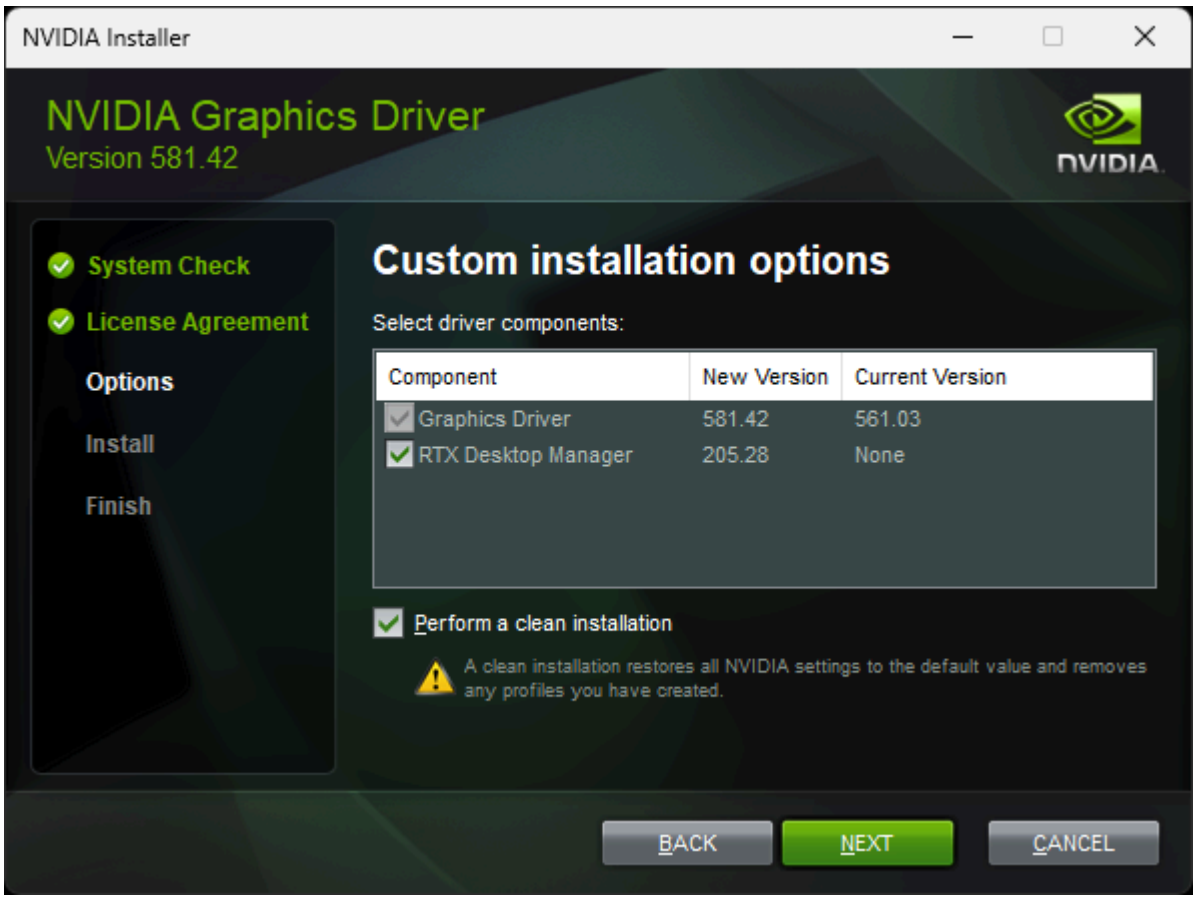


Figure 48:

Process Check Flag for Windows

On Windows, some anti-virus software flags the process check as "suspicious activity". The PROCESS_CHECK flag is added to control and make the process check non-default in some cases.

The behavior on Linux remains the same as before: the checks always run and the value of PROCESS_CHECK has no effect.

> **Note:** It is recommended to use the command line option, rather than the environment variable.

Set the Environment Variable

- In Silent installation mode, the running process check is no longer performed by default.
- In GUI installation mode, the running process check is performed by default.

  To deactivate, set the command line option or environment variable PROCESS_CHECK to "`OFF`".

  > **Warning:** If the process check was disabled for the installer, it will be disabled during the uninstall as well.

On Windows, set an environment variable using the typical methods.

> **Important:** It is recommended to only set a global environment variable.

Setting PROCESS_CHECK to any other value is equivalent to not setting it.

Command Line Usage

Command line syntax:

- `-DPROCESS_CHECK=OFF`

Hotfixes and Updates

To provide bug fixes and new features to customers as quickly as possible, Altair provides hotfixes between releases. Please review the definitions below, as well as the table for additional information.

Incremental Hotfix
: These installers are smaller, and only include the files that have been added or modified. They require a base install of a specific major.minor version. Hotfixes for CFD Solvers, Flux, HyperWorks Desktop, and Mechanical Solvers can be installed using the Altair HyperWorks Products Installer (main installer) along with their base installers, or in a subsequent install to a location where the base install already exists.

Full Installer Hotfix
: These installers include all necessary files, and do not require a base install. They can be installed as a standalone, or as part of a multi-product install using the Altair HyperWorks Products Installer (main installer).

> **Note:** Do not install two different versions of the same product to the same location. For example, Inspire 2025.0.1 to a location where Inspire 2025 is already installed. Uninstall the existing install first.

Automatic Updater
: Several applications support automatic updates through ConnectMe. These applications download updates over the Internet. Additionally, you can run the Feko updater outside of ConnectMe.

Installer Name	Incremental Hotfix	Full Installer Hotfix	Automatic Updater
Twin Activate		X	
CFD Solvers	X		X
Compose		X	
ConnectMe		X	X
EDEM		X	
Feko	X		X
Flux		X	
HyperWorks Desktop	X		X
Inspire (Cast, Extrude, Form, and so on.)		X	
Mechanical Solvers	X		X

Installer Name	Incremental Hotfix	Full Installer Hotfix	Automatic Updater
SimLab		X	
SimSolid		X	

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