Adams Modeler 2024.1.1

Release Guide

HEXAGON

Adams Modeler 2024.1.1 Contents

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AVAILABLE PLATFORMS

The following platforms are available for this release:

- Windows 64-bit (Windows 10 and Windows 11)

HARDWARE AND SOFTWARE REQUIREMENTS AND GRAPHICS CARD SUPPORT

The hardware and software requirements for running Adams Modeler are the same as for running any MSC Apex based product and can be found here:

https://nexus.hexagon.com/documentationcenter/en-US/bundle/apex_2024.1.1/page/node/2657.html

This page also lists graphics card support and applies to the Modeler interface of Adams Modeler. Please note, however, that the graphics card support for using the View interface of Adams Modeler is the same as for the traditional Adams product and can be found in the *Adams Installation and Operations Guide* on the Product Documentation Center at https://help.hexagonmi.com/

INSTALLATION NOTES

Do not attempt to install Adams Modeler while another version of Adams Modeler, or any MSC-Apex-based product, is running. Otherwise, launching Adams Modeler may fail with the message: "Create Project Failed."

To initiate installation of Adams Modeler, follow the steps below.

1. Right-click the installer zip file you downloaded from the Hexagon Solution Download Center (SDC) and extract its contents.

2. Browse to the "Adams_Modeler_2024.1" directory inside the folder where the contents of the zip were extracted.

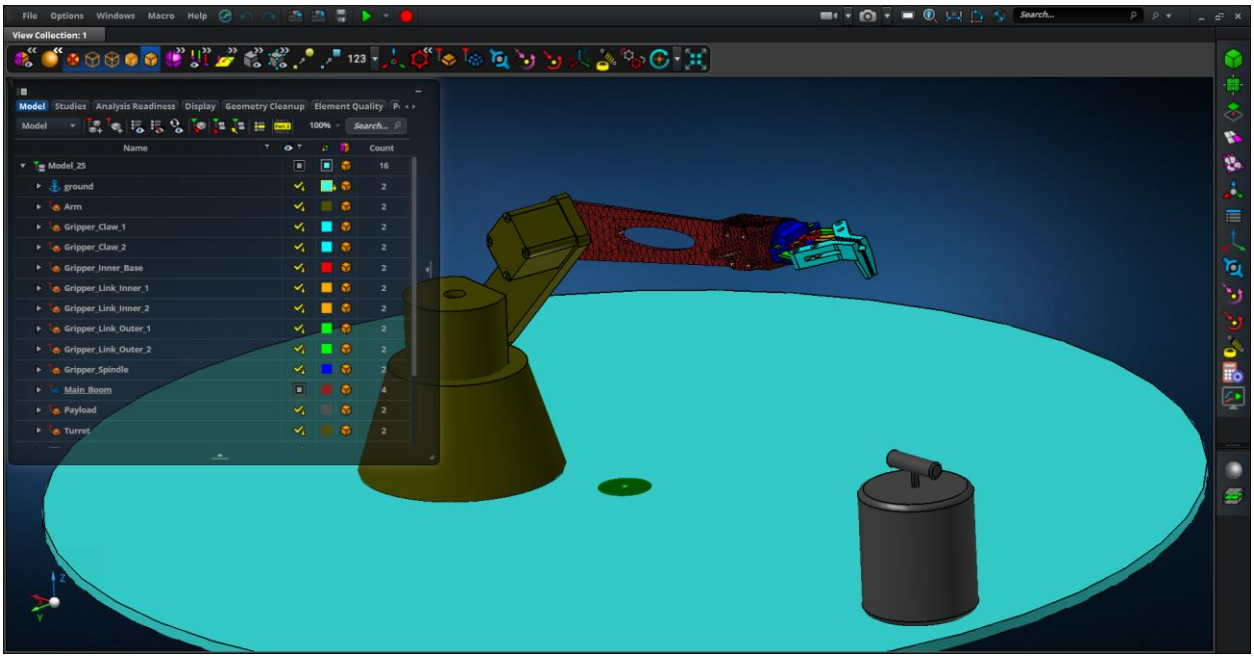
3. Right-click the setup.exe file inside the "Adams_Modeler_2024.1" directory and select "Run as Administrator".

4. From here follow the guided on-screen prompts from the installer to complete the installation. If you are interested in a screen-by-screen illustration of the installation process from this point forward, one can be found in the Appendix of this document.

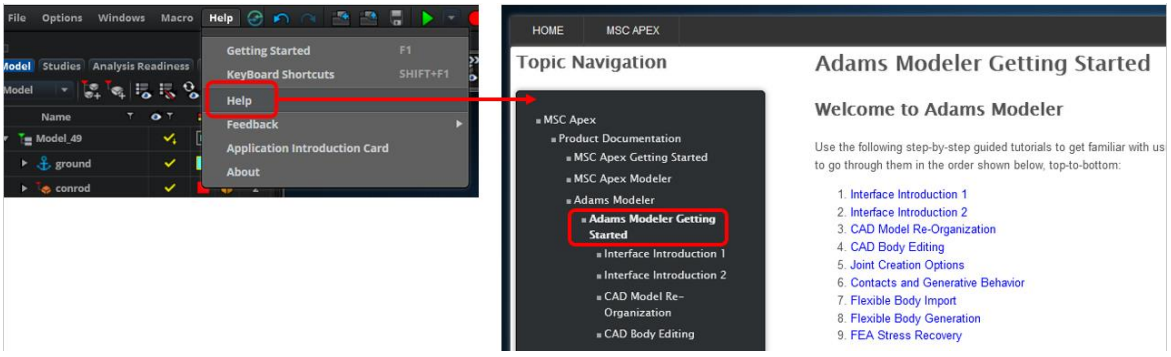
WELCOME TO ADAMS MODELER

Welcome to the next generation Adams interface. This release is the latest in a series of release intended to be an early step toward an alternative interface for Adams View.

The Adams Modeler interface is based upon a new framework for Adams. Key intended benefits of employing this framework include improved CAD geometry management, especially easier re-parenting of geometry, a more powerful model browser, direct modeling capabilities which make it easier to locate modeling objects relative to geometry features, a much-improved flexible body generation experience, and the ability to recover Nastran quasi-static stress results.



Key features to explore are briefly summarized below. A set of tutorial exercises is included with the product and can be found within the product documentation launched from the Help menu as shown here:



BI-DIRECTIONAL INTERFACE

At the heart of Adams Modeler is its so-called “bi-directional” interface allowing users the flexibility to, within the same session, work on their model in the fully functional traditional Adams View interface and take advantage of the new capabilities and modeling conveniences of the next generation Modeler interface. Users can toggle between the modeling environments in Adams Modeler via the “context switch” buttons located on the toolbars of Adams View, Adams PostProcessor and the Adams Modeler interfaces:

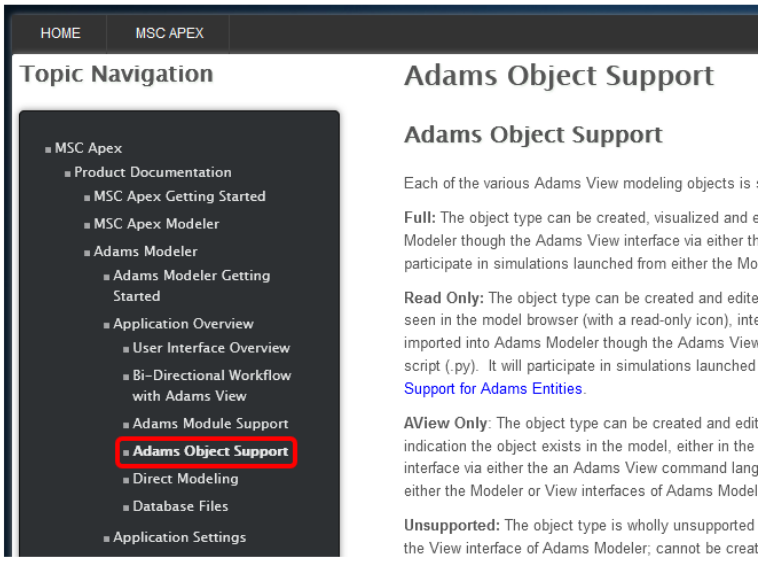
Migrating all the Adams View objects and functionality into the Adams Modeler interface will take several releases. A benefit of the bi-directional interface is that it provides access to all the modeling capability not yet present in the Adams Modeler interface. The following object types are supported in both interfaces, meaning they can be created and modified in either the Adams View or Modeler interface:

- Parts
  - Rigid parts
  - Flexible parts
  - Markers (known as “Interfaces” in the Modeler interface)
- Joints
  - Fixed
  - Revolute
  - Translational
  - Cylindrical
  - Spherical
  - Constant Velocity
  - Hooke/Universal
  - Screw
  - Planar
- Joint Primitives
  - In Line
  - In Plane
  - Orientation
  - Parallel Axes
  - Perpendicular
- Complex Constraints
  - Point-Curve Constraint
  - Curve-Curve Constraint
  - Gear
  - Coupler
- Motions
  - Rotational Joint Motion
  - Translational Joint Motion
  - Point Motion
- Forces
  - Gravity
  - Single Component Force (Translational and Rotational)
  - Contact (Solid-Solid, Flex-Solid and Flex-Flex)

    - Multi-Component Force (GForce, VForce, VTorque)
- Compliant Connectors
    - Bushing
    - Translational and Rotational Spring Damper
- Design Exploration
    - Design Variable
- Data Elements
    - Data Spline

Many other object types are supported in Adams Modeler as “read-only” objects, meaning if they were created in the Adams View interface they can been seen in the Modeler interface’s model browser and information listing is available there too, but visibility in the graphics viewport may or may not be supported and modification of the object properties is not supported.

Some other object types are wholly un-supported Adams Modeler interface, but if present in the database (by virtue of creation in the Adams View interface or execution of an Adams Python script in the Modeler interface) they will be included in the model submitted to Adams Solver even for runs launched via the Modeler interface. See the product documentation for a complete listing:



Scripting

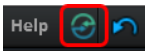
Pre-existing Adams View Python scripts using the current Adams Python scripting syntax are expected to function properly in the Adams Modeler or Adams View interfaces. They can be executed via the Macro – Play Macro menu.

Pre-existing Adams View command language scripts are expected to function properly in the View interface of Adams Modeler. Note that if such scripts create native Adams View geometry, those geometries will not maintain any parameterization in the Modeler interface.

With scripts of either language take care that they do not attempt to create a new model as that will conflict with the current limitation that only one top-level model at a time is supported by Adams Modeler. Exceptions to this are scripts executed from the Adams View welcome page "Existing Model" field.

Importing Traditional Adams View Models

Traditional Adams View database files (.bin) are not supported by Adams Modeler. To import a traditional Adams View model into Adams Modeler do the following:

1. Launch Adams Modeler in the **View interface mode**. If when you launch Adams Modeler it comes up in the Modeler interface mode, simply click the context switch button 

to go to Adams View mode and then click **File - New** to get the View welcome screen.
2. Choose **Existing Model** and browse for the Adams View command file (.cmd) representation of your model. Note that Adams View binary files (.bin) are not portable to Adams Modeler.
3. Click **OK** and your model will be read in and available to you in both the View and Modeler interfaces of Adams Modeler

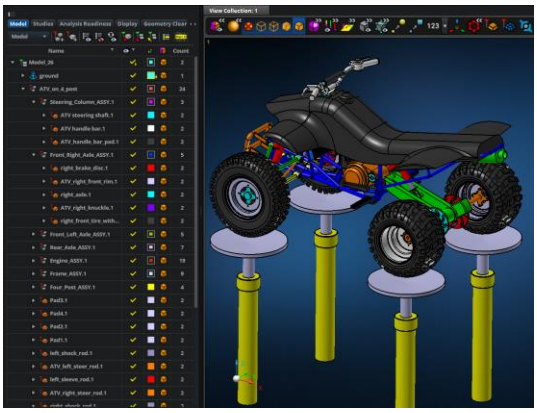
Adams View Expression Language

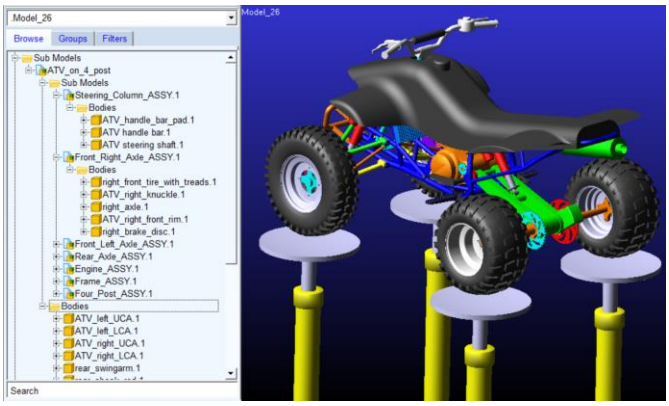
For the fields that accept Adams View expression language parametrization, within the Adams Modeler tools for Joints, Motions, Forces, and Connectors, you can discover, define, and edit the field with the familiar Adams View expression syntax.

CAD GEOMETRY MANAGEMENT

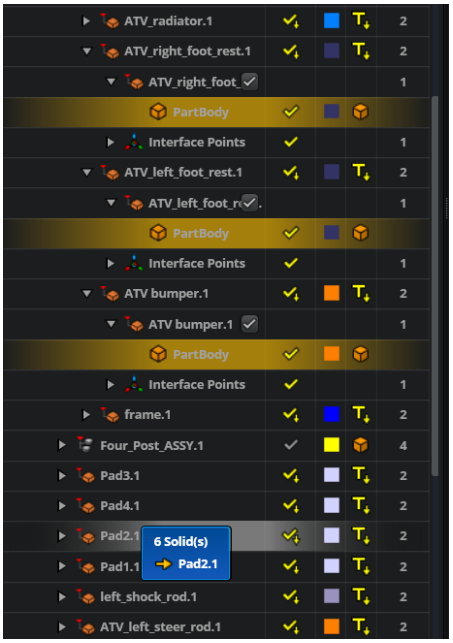
The Adams Modeler interface provides a much better experience compared to the Adams View environment in terms of managing imported CAD geometry. For multi-body Dynamics (MBD) analysts importing CAD is often the first step in building a model. Adams Modeler offers a few key improvements in this regard:

Retaining CAD Hierarchy: Both the Modeler and View interfaces within Adams Modeler will maintain any multi-level hierarchy in imported CAD assemblies whereas classic Adams View flattened CAD assemblies and sub-assemblies into a set of sibling parts under one parent model. In the Adams Modeler environment, there is a built-in concept of Assembly and Sub-Assemblies within a single model. Upon a context switch to the Adams View interface, these are represented as sub-models. Furthermore, to support multi-level hierarchy the Adams View model browser has been enhanced to support more than 2 levels of sub-folders.





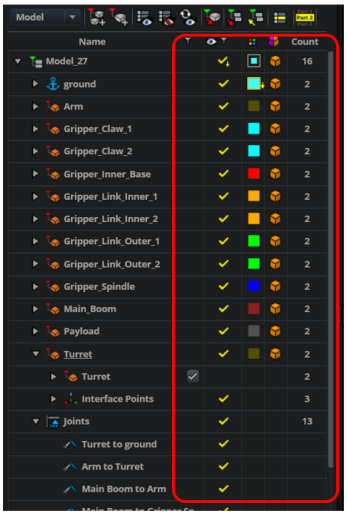
Drag and Drop Re-Parenting: Grouping the parts of a CAD assembly into the set of moving parts that make sense for an MBD analysis is a frequent and time-consuming task. The Adams Modeler interface makes this much easier with its model browser's drag and drop capability. Users can group geometry together into single moving parts much more quickly compared to the Adams View interface.



MODEL BROWSER AND ON DISPLAY MENU

The Adams Modeler interface provides many improvements relative to the Adams View interface in terms of managing the display states of the model.

The **model browser** has columns with visual cues and controls for setting visibility, color and render mode of model objects including support for child objects to either inherit from the parent or express an exception to the parent's setting. The model browser even supports sorting and filtering by these attributes.



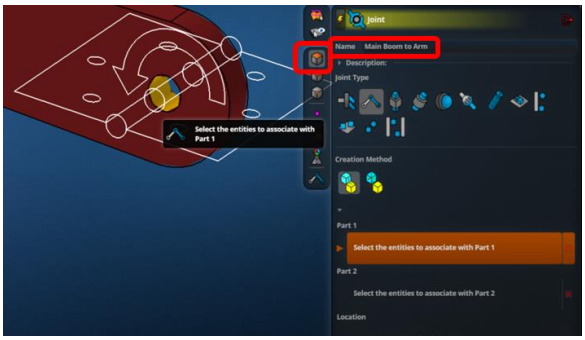
The **On Display Menu (ODM)** provides a quick means to toggle display by object type without disturbing the objects' individual visibility settings from the model browser. For example, if an object is hidden (i.e., visibility = off) in the model browser, toggling that object type's display on via the ODM will display only those objects of that type set to visible via the model browser. Using a combination of the ODM and model browser in this way is a convenient way to manage the display of just what's important when working on a complex model. The button stack under the red gear icon contains controls for the Adams MBD specific object types.

DIRECT MODELING

A key concept of the Adams Modeler interface is its direct modeling paradigm. For an Adams analyst this has two primary benefits that sum up to building and editing MBD models more quickly:

Geometry Editing: The interface provides far more tools for editing imported geometry compared to the Adams View interface. Feature picking and editing; for example, pushing/pulling faces and changing hole diameters; and re-locating bodies are some of the tasks that are more convenient and intuitive.

Geometric Relationships for Model Topology: Especially powerful is the ability to easily associate Adams modeling objects, like constraints and forces, with an easily pickable and broad set of geometric features. A great example is the relative ease with which one can locate a joint at the middle of a cylindrical hole. Better yet, if a face on which the hole ends is pushed or pulled to make the part thicker or thinner, the joint will have a generative geometric relationship and automatically update its location to match that of the new hole center point.

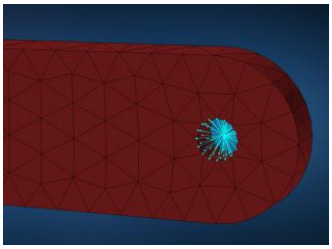


NATIVE FLEXIBLE BODY GENERATION

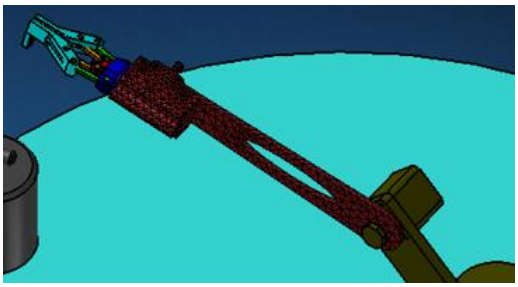
While the classic Adams View interface has had the ViewFlex capability for many years, allowing users to generate modal neutral file (MNF)-based flexible bodies without leaving the Adams environment, the ability to do so in the Adams Modeler interface offers many advantages:

Robustness: Both the meshing and MNF generation processes in the Adams Modeler interface are better able to handle a broader diversity of geometric complexity and scale.

Easy Attachment Node Definition: The aforementioned direct modeling benefits also pay off here. Adams modeling objects like constraints and forces automatically create their own interfaces which are analogous to Adams View markers but come with the added benefit of maintaining the geometric relationship specified during creation thus alleviating the painful work of defining attachment nodes, especially their set of dependent nodes. If a part's constraints and forces were all defined using geometric association, then there is nothing further the user needs to do when creating the MNF-based flexible representation of the part.

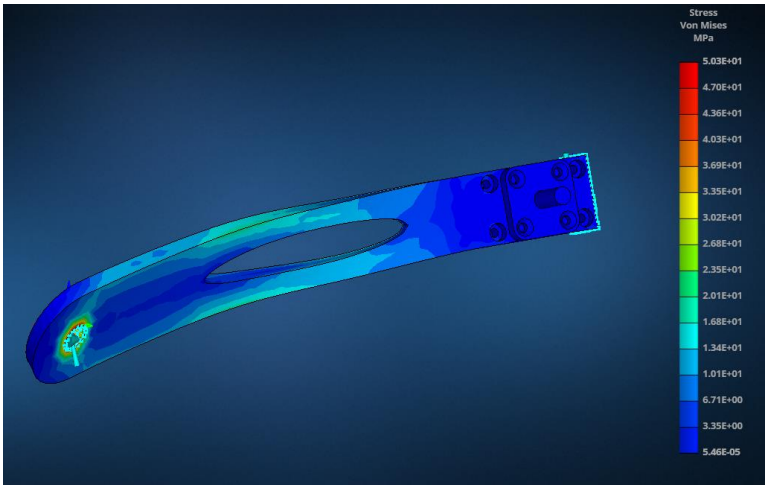


Re-Generation Upon Editing: The generative geometric relationships described earlier also provide a huge benefit to natively generated flexible parts. Any changes that would possibly alter the modal content of the flexible body will trigger a re-generation of the flexible part rep. This goes for not just things like specifying a different material or asking for a different number of normal modes, changes to the basis geometry will also trigger a re-generation. So, for example, adding a hole or thinning a section can be done via direct modeling and the dependent MNF upon which the flexible part rep is based will be regenerated.



FEA STRESS RECOVERY

For native flexible part reps and rigid part reps, Adams Modeler supports the ability to recover MSC Nastran FEA static stress based upon the loads from an Adams MBD scenario. There is no need to leave the Adams Modeler interface to do this. After an Adams MBD scenario has been run against a model with a native flexible part rep, the Review – Recover FEA Stress tool can be used to specify the portions of the Adams MBD scenario for which MSC Nastran static stress jobs should be executed. Within the Adams Modeler post processor, the component can then be examined by itself and the MSC Nastran stress results explored.

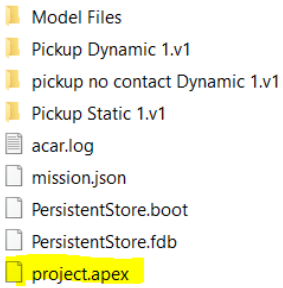


NOTES ABOUT ADAMS MODELER DATABASE FILES

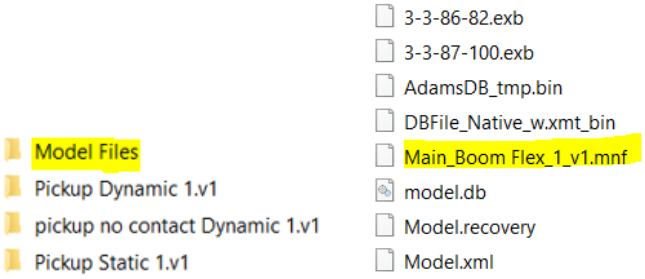
The means by which Adams Modeler sessions are stored differs from that of traditional Adams View. Instead of a single .bin file (as in traditional Adams View), Adams Modeler writes out a folder of content. So, when you perform "File - Save As" and specify a name, you are actually specifying the name and location of this folder, not any single file. Users should never edit the contents of this folder directly as this will cause problems when re-opening the database.

The default location for these database folders is "<This PC>\Documents\Adams Next Workspace\" but once you perform a Save-As operation, that most-recently-used location will be the default.

When you perform "File - Open", however, you are prompted for a "**project.apex**" file which resides directly under the database folder.



No other content within this database folder or its subfolders is intended for direct user consumption with one exception. In models with a natively generated flexible part rep, the corresponding .mnf is stored in the "Model Files" folder. Do not alter or remove this file. But, copying it to use elsewhere is safe.



KEY FEATURES NOT YET SUPPORTED

Below is a listing of a key features and behaviors not yet supported but planned for nearer-term future releases:

- Flexible Bodies
  - Contacts in which flexible part reps participate are not yet supported by the FEA Stress Recovery tool
  - Some functionality available in the Adams View interface's Flexible Body Modify dialog is not yet supported in the Adams Modeler interface's Flexible Part Rep Property Editor (e.g., datum node specification, advanced formulations, etc.)
- General Modeling
  - Adams Modeler does not support multiple top-level models in a single session
  - Subroutine options for Adams Solver functions are not yet supported in the Modeler interface. They will not be properly reflected in the Modeler interface and may even get corrupted via Modeler property editors.
  - The Adams View interface does not yet support the Modeler interface's mouse gestures for pan, zoom and rotate
  - Some Adams View parametric primitive geometry types do not yet have corresponding primitives in the Modeler interface (frustum, torus, link, plate, extrusion, revolution, plane); these are instead treated as non-parametric tessellated geometry bodies. Adams View sphere, ellipsoid, box and cylinder primitives are, however, mapped to corresponding geometry primitives available in the Modeler interface and are therefore both parametric and selectable for location and orientation.

    - Adams Modeler currently only supports FMU Import Adams Controls and Mechatronics simulation workflows. Other simulation workflows like traditional Simulink and Easy5 co-simulation and ESL import are unsupported.
- Post Processing
    - Overall, the recommended post-processing environment is Adams Post Processor, though some basic animation and charting is available directly in the Adams Modeler interface

NEW FEATURES IN ADAMS MODELER 2024.1.1

The Adams Modeler 2024.1.1 release is a service pack release. This means that there is no new functionality relative to the Adams Modeler 2024.1 release. This release contains only defect corrections as listed in the Resolved Issue section of this document.

The subsequent release of Adams Modeler (2024.2) is currently planned to be the next containing new features.

LOCALIZATION CHANGES

Documentation installers are no longer available for the German and French languages as of Adams Modeler 2023.4.

Adams Modeler 2023.4 was the last release for which interface localization is guaranteed for the German and French languages.

RESOLVED ISSUES

Below are issues resolved in this version of Adams Modeler:

Key	Resolved Issue Description
ADMS-112215	Adams Modeler crashes when deleting scenarios if the Recover FEA Stresses tool is open and then you try to select a scenario in the combo box GUI.
ADMS-111966	Flexible model created in the View interface of Modeler and entering the post processor of the Modeler interface will cause a model save issue.
ADMS-111634	A command language error message maybe observed when launching the solver setting - dialog with the flex bodies option in the View interface of Modeler.
ADMS-111484	Adams Modeler crashes when attempting to load more than one analyses simulated in M.V. within the M.M post-processor.
ADMS-110691	View interface created design variables (integer/string/object) are not available in the Modeler interface.
ADMS-110234	Rotordynamics simulations run in the View interface cannot be post processed in the Modeler interface
ADMS-110107	Location selection averaging for geometry faces is not working
ADMS-110062	Post Processing setting one part's transparent changes all geometry wireframe
ADMS-110004	For the attached model failed to modify part's inertia properties.
ADMS-109916	MBD Scenario Post Process option from study tab gets deactivated after re-running the simulation subsequent a context switch from the Modeler interface to the View interface and back to the Modeler interface
ADMS-109862	Some contact model simulations run in the Modeler interface cannot be animated in Adams PostProcessor
ADMS-109822	Sometime Adams Modeler crashes if try to double click on ‘Simulation settings’ tree node on study tab.
ADMS-109734	Recover FEA stress does not work for some special model
ADMS-109732	Modifying object sometimes will result in slight changes to the locations.
ADMS-109667	In the Modeler interface glyph size can only be set to integer values so values smaller than "1" (e.g., to 0.05, 0.001, etc.) are not possible. The setting also does not sync properly between the View and Modeler interfaces of Adams Modeler.
ADMS-109519	Plugins such as durability cannot be loaded in standalone Modeler PPT sessions.
ADMS-109512	Adams Modeler SE sometimes crashes if the number of parts reached the limit.
ADMS-108588	Flexible bodies built from imported modal neutral files (MNF) enabled with rotordynamics content are not able to be used by the "Run Rotordynamics Series" simulation type in View interface of Modeler. To make use of this simulation series type one must use a traditional (i.e,, non-Modeler) installation of Adams View.
ADMS-107115	The first Adams Vibration analysis of a session will issue error messages but the analysis will proceed regardless and can be post-processed as usual. Subsequent Adams Vibration analyses in the same session will issue an error message and fail.
ADMS-94397	Charting the results in the Modeler Post interface for marker objects always generates curves with zero values. Workaround is to chart marker object results in Adams PostProcessor via the View interface of Adams Modeler.

KNOWN ISSUES

Below are the known issues with functionality in this version of Adams Modeler:

Issue key	Known Issue Description
ADMS-110395	When an Apex primitive solid with a mesh is push/pulled, the reference to the geometry under the FE Part Rep disappears from the Model Browser. No association or functionality is lost.
ADMS-110235	Adams Machinery objects deactivated in the View interface are not shown at all in the Modeler interface.
ADMS-109271	The date is missing in the solver msg file generated when simulation is run from the Modeler Interface.
ADMS-106386	The organization of Adams Machinery Bearing output in Adams PostProcessor for analyses/scenarios launched from Adams Modeler is incorrect. All the bearing requests are flattened (i.e., arranged next to each other) rather than in separate containers per bearing.
ADMS-105296	Part replace using the delete-original-part option does not function properly if the part, whose geometry is being replaced, has children that are referenced by other objects in the model; for example a marker used in in design-time or run-time (Solver) functions elsewhere in the model. No warning/error message is issued. Attempting to run a simulation after this will result in termination of the Modeler session.
ADMS-103801	When in the View interface of Adams Modeler, during rigid-to-flex swap the modal neutral file's (MNF) full directory path must be specified. Use of a relative path will issue an error.
ADMS-102908	Some user-defined colors are not used in the Modeler interface of Adams Modeler (geometry appears black) if the model contains imported CAD geometry with multiple levels of hierarchy (e.g., assembly and sub-assembly).
ADMS-99788	Imported CAD of type surface and curve is represented in the View interface of Adams Modeler as a solid.
ADMS-99711	STL geometry imported in the Modeler interface is not visible in the View interface. The geometry continues to be visible in the Modeler interface though.
ADMS-97816	Some geometries are missing when read the SImXpert 2020 exported ADM model into Modeler interface
ADMS-91541	Any CAD geometry import done with a Python script that uses traditional Adams View Python syntax and is imported in the Modeler interface (i.e., via Macro - Play Macro) will fail to import the geometry. Workarounds are to either import the Python script in the View interface of Modeler or use Adams Modeler Python syntax.
ADMS-90714	Multiple top-level models are allowed to be created via Python scripting macro playback despite the fact that they will cause issues in Adams Modeler because multiple top-level models are, for now, unsupported
ADMS-84168	Under some circumstances and some geometry characteristics, the orientation of the active model view is not synchronized properly between the View and Modeler interfaces.
ADMS-83155	Adams Solver datasets (.adm) generated by Adams Modeler for models containing BEAM objects will fail to load into standalone Adams PostProcessor.
ADMS-83096	Header block is repeated in Adams Solver message files generated by Adams Modeler.
ADMS-77825	Adams Modeler can fail to launch if a combination of the number of characters in the installation path and in the user's PATH environment variable is very large. Suggested workaround is to install the product in a location with a shorter path.
ADMS-77097	The results export for co-animation from Adams Post Processor will fail for models with flexible part reps that have been simulated from the Modeler interface.

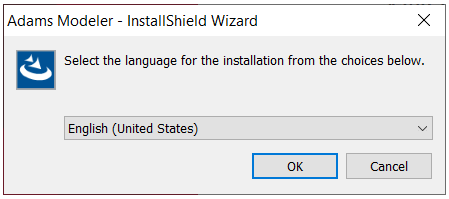
Issue key	Known Issue Description
ADMS-76845	Flex Body Generation may fail if certain libraries are present in C:\Windows\System32 Please see the following article for details: https://simcompanion.mscsoftware.com/infocenter/index?page=content&id=KB8023348
ADMS-76021	Saving a project may cause a solver slowdown depending on the type of disk drive the project is saved to. Adams Modeler writes several files during simulation and saving a project. Benchmark testing suggests that up to a 30% increase in performance of simulation can be realized if the operating system, Adams Modeler installation, and the project database directory is on a Solid State Disk compared to the same installation on a SATA hard disk drive.
ADMS-73202	Adams Modeler does not support the setting "Solver Library" where users typically provide the path to their compiled Adams Solver subroutines. This is true in both the View and Modeler interfaces. If your model has objects making use of user-written Adams Solver subroutines, place your compiled libraries in a directory. Next, on your machine, set the environment variable MDI_USER_PLUGIN_DIR to the complete, fully-qualified, path for that directory. Then, Adams Solver jobs launched from either the Modeler interface or the View interface will find and use your compiled subroutines.
ADMS-70532	Import of Adams View .cmd models that make use of a units consistency factor (instead of the default style of direct units specification for force, mass, length and time) will result in a mismatch in units when switching between the View and Modeler interfaces of Adams Modeler. As a workaround edit such legacy .cmd files to directly specify units via the "defaults units" command.
ADMS-69864	Scripts that contain Adamspy commands to hide/show entities require an extra Undo/Redo to undo/redo the change in visibility state.
ADMS-68973	Deleting a part collapses its submodel node in the View Interface Model Browser.
ADMS-68960	Upon opening an Adams Modeler database that references a missing .mnf, the user is correctly notified of this fact. If in the Modeler interface the user, for some reason, chooses to proceed to attempt to animate mode shapes for the flexible part rep in question, then this will fail (as expected) but unexpectedly some coloration will appear on the mesh.
ADMS-68684	Slight differences in contact results are observed comparing models created in standard Adams View compared to models created in Adams Modeler. This is due to different geometry engines tessellating the geometry.
ADMS-67135	The Model Browser in the View Interface collapses expanded folders in the tree after using the Search feature. This behavior is inconsistent with the standard installation of Adams View.
ADMS-66668	Scripted Simulations that contain Closed Box Nastran Export commands have matching results between the MBD Scenarios in the Modeler Interface and simulations in the View Interface. Scripted Simulations that contain Open Box Nastran Export commands do not match results between the two interfaces.
ADMS-64397	Using the published Adamspy commands to execute the reading of Adams cmd files may not execute correctly in the Modeler Interface. It is advised to try the import in the View Interface. If the cmd file contains the import of Parasolid files, the script will not execute correctly.
ADMS-53923	In order to run existing Adamspy python scripts (i.e., scripts using the traditional Adams View Python syntax) in the Modeler Interface, users may need to insert the following command before each Adamspy command: Adams.undo_begin_block() and insert the following command after each Adamspy command: Adams.undo_end_block()

APPENDIX: SELF-GUIDED INSTALLER SCREENS

Seen the Installation Notes section, above, for instructions on how to start the Adams Modeler installer. Once started, the prompts on the installer pages can be followed.

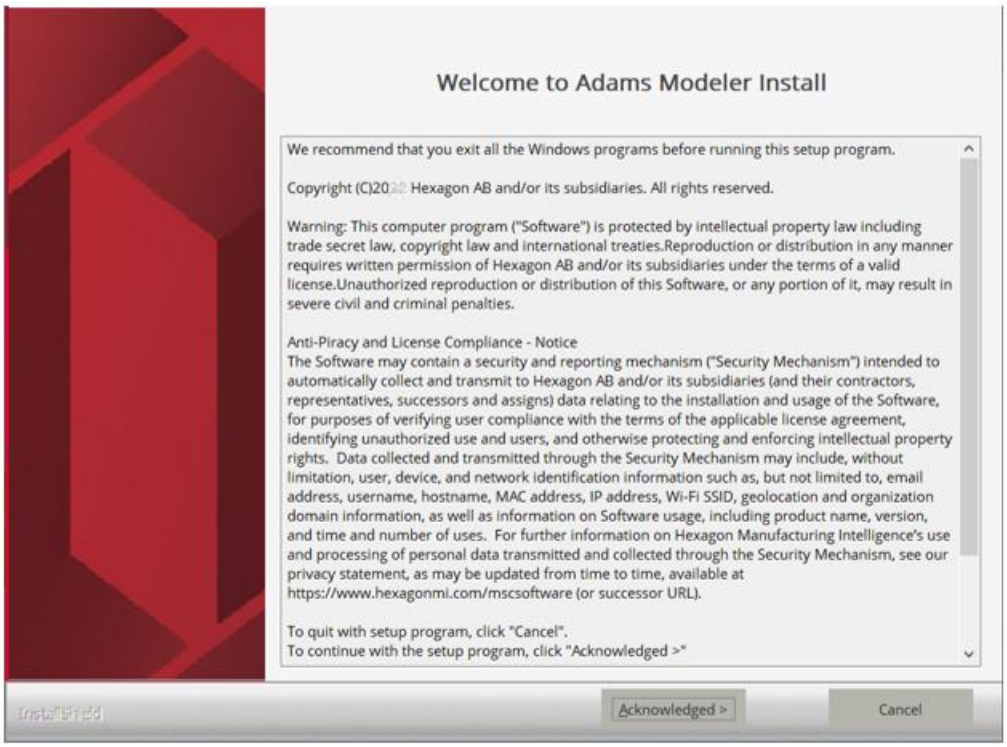
These steps are also illustrated below:

1. The language selection window will appear as shown below. Select your language of choice from the dropdown menu (English will be used in these screenshots) and click OK:

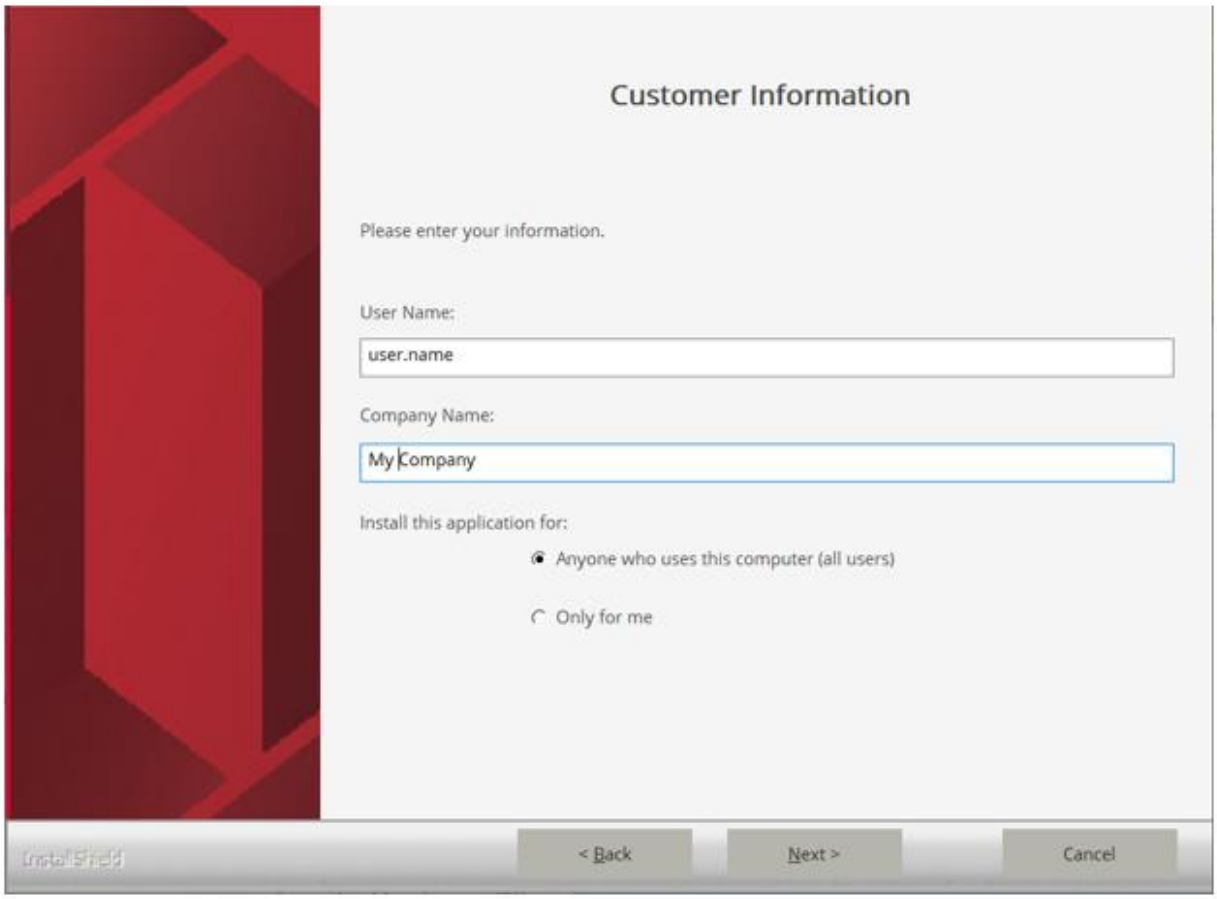


2. The license agreement window will be shown next. Click “Acknowledged” to proceed or “Cancel” to exit without installing.

   Note: To re-select the language, click the Cancel button to exit and restart the installation.



3. In the Customer Information window, enter your user and company name, and then select one of the following:
    - Anyone who uses this computer (all users) - Anyone logged on to this machine can run this version of Adams Modeler.
    - Only for me - A user must be logged on using the user name and password that was used at the time of installation.

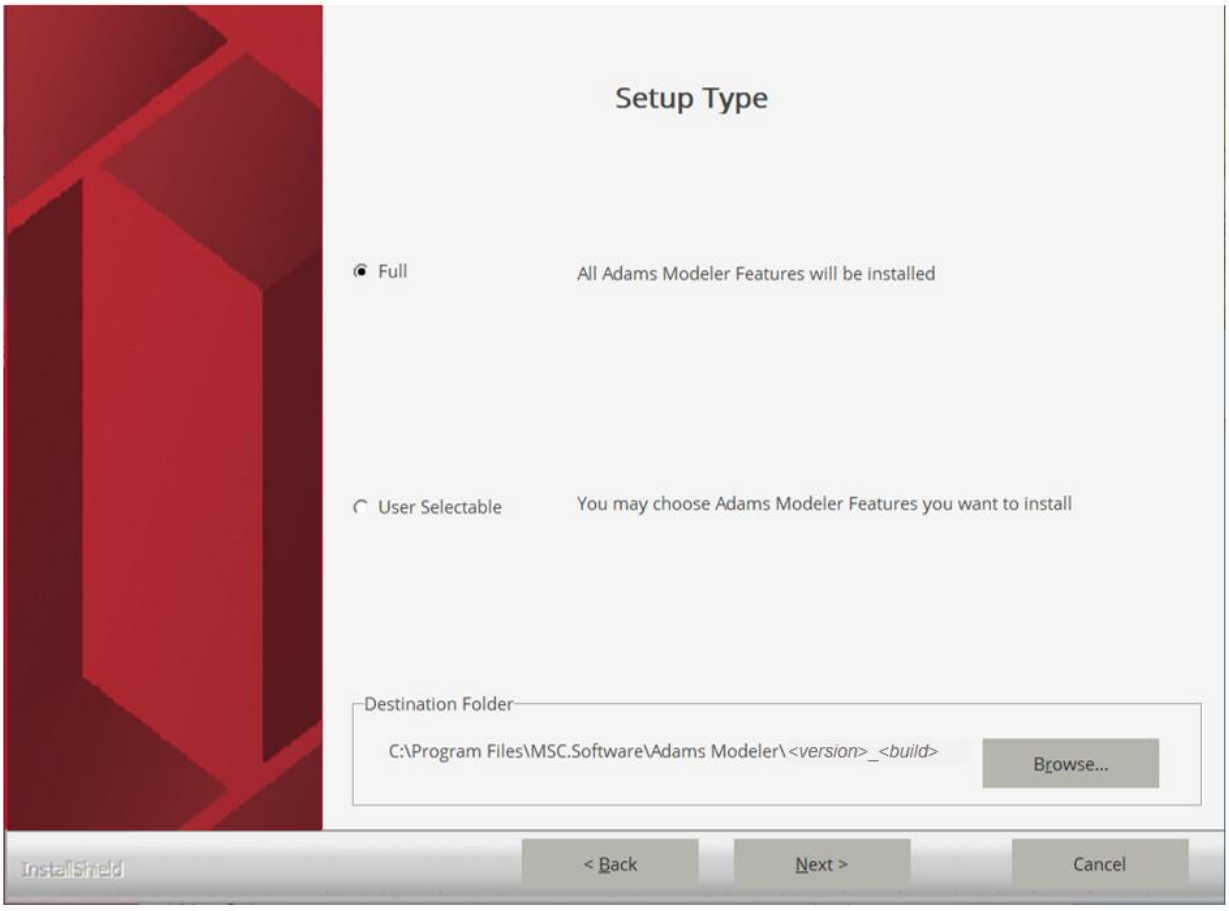


Click Next.

4. The Setup Type window appears as shown below. If you would prefer Adams Modeler to be installed in a folder other than the default destination folder, select Browse, and then select the desired folder. The default directory for installing Adams Modeler products is "C:\Program Files\MSC.Software\Adams Modeler\<*version*>_<*build*>

   NOTE: Installation paths on drives other than the C:\ ***and*** including spaces are unsupported. If this is attempted, the installation will proceed but Adams Modeler will fail to launch. If Destination Folder is on a drive other than C:\ do not select a path with a space in it.

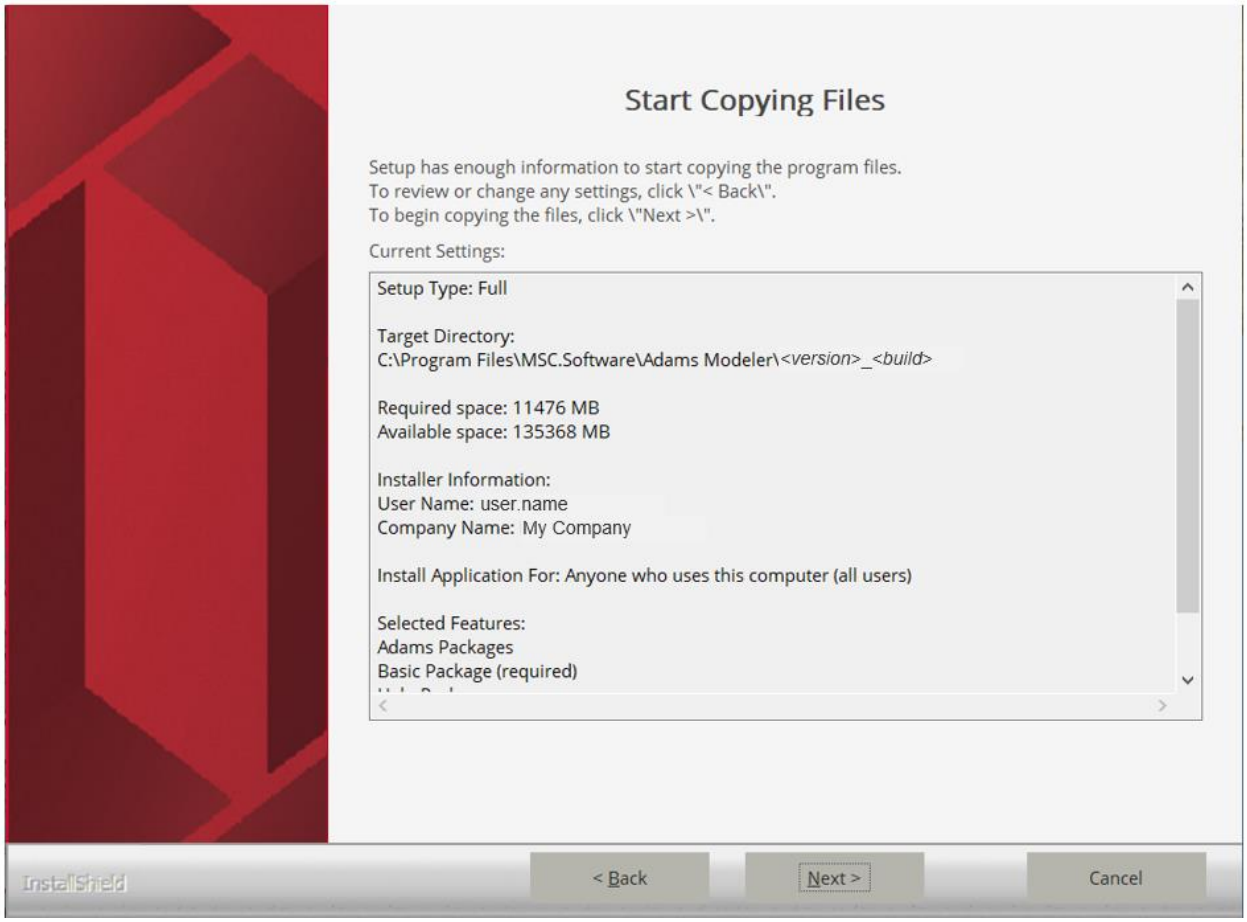
5. Select the type of installation you want to perform:
   - Full - Installs all Adams Modeler products and traditional Adams documentation (Adams Modeler interface documentation is delivered in a separate installer and will be prompted for separately at the end of these screens). Always use this option if you want to use this machine as a file server, allowing other machines to client to it.
   - User Selectable - Allows you to select the specific Adams Modeler packages and documentation you want to install.



Click Next.

6. Depending on your selection on the previous screen, do one of the following:
   • Full - Continue to the Next Step.
   • User Selectable - In the Select Components window, select the components you want to install. Then, click Next.

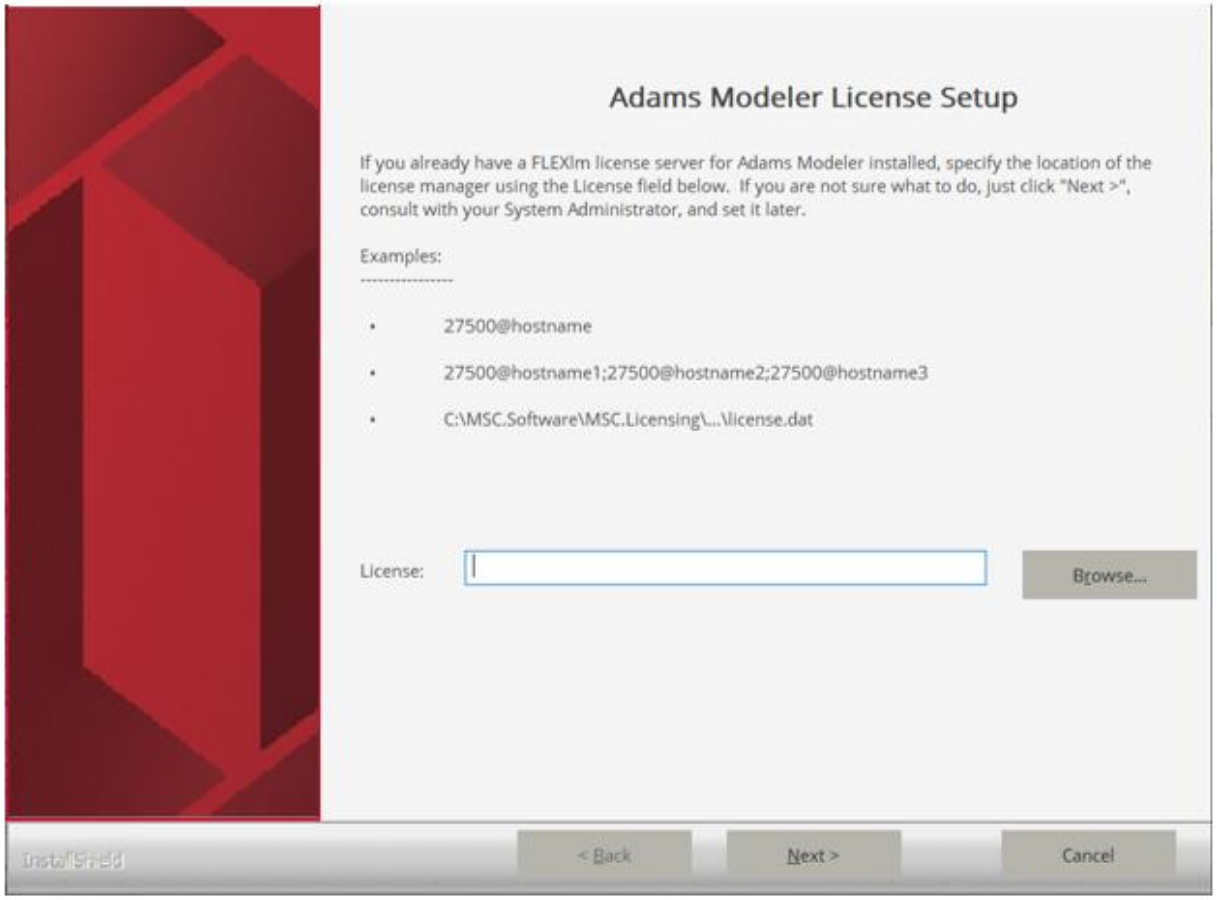
7. Confirm the installation settings and then click Next to begin the installation.



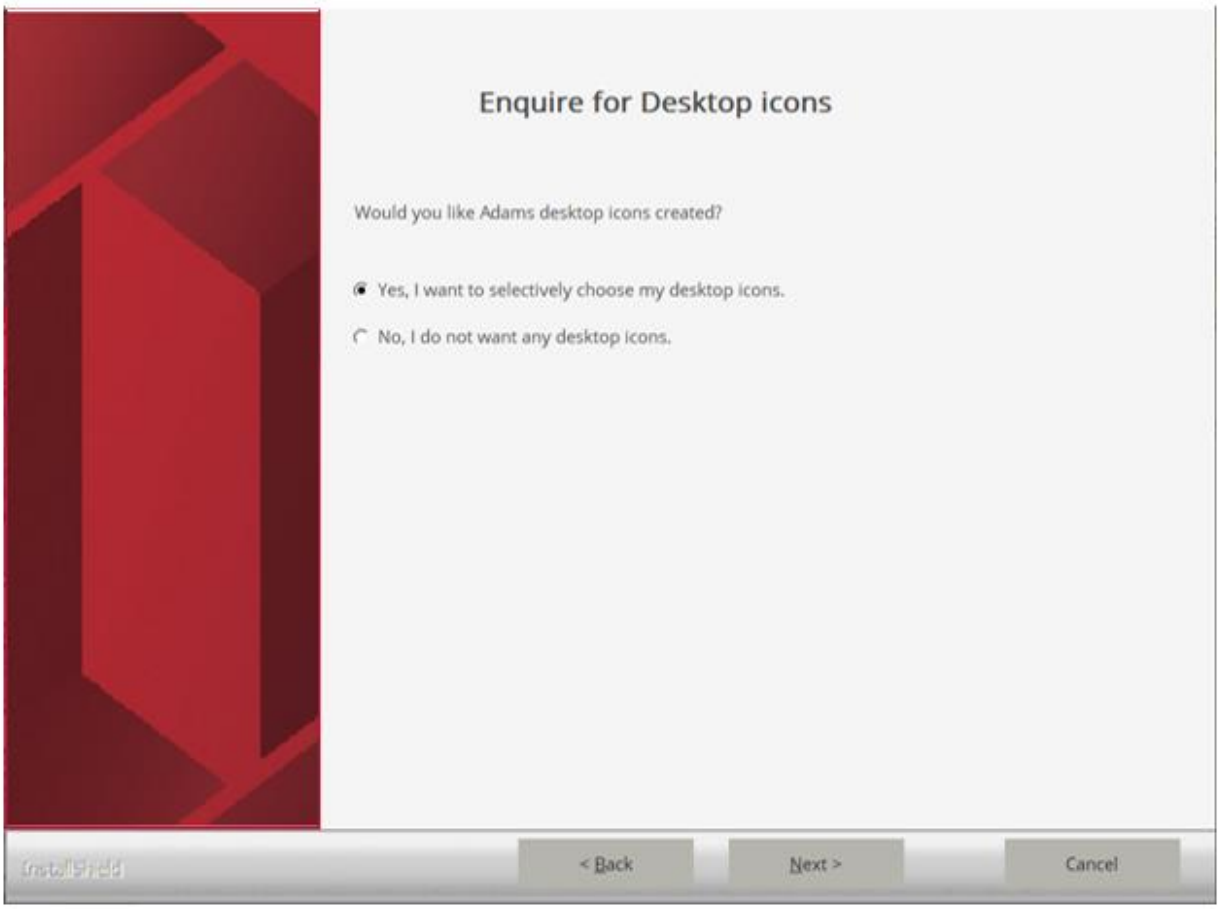
8. After the files have been extracted and copied to your destination folder, the License Setup window appears as shown below.

9. Enter the name of the license server or the path to your license file and click Next.

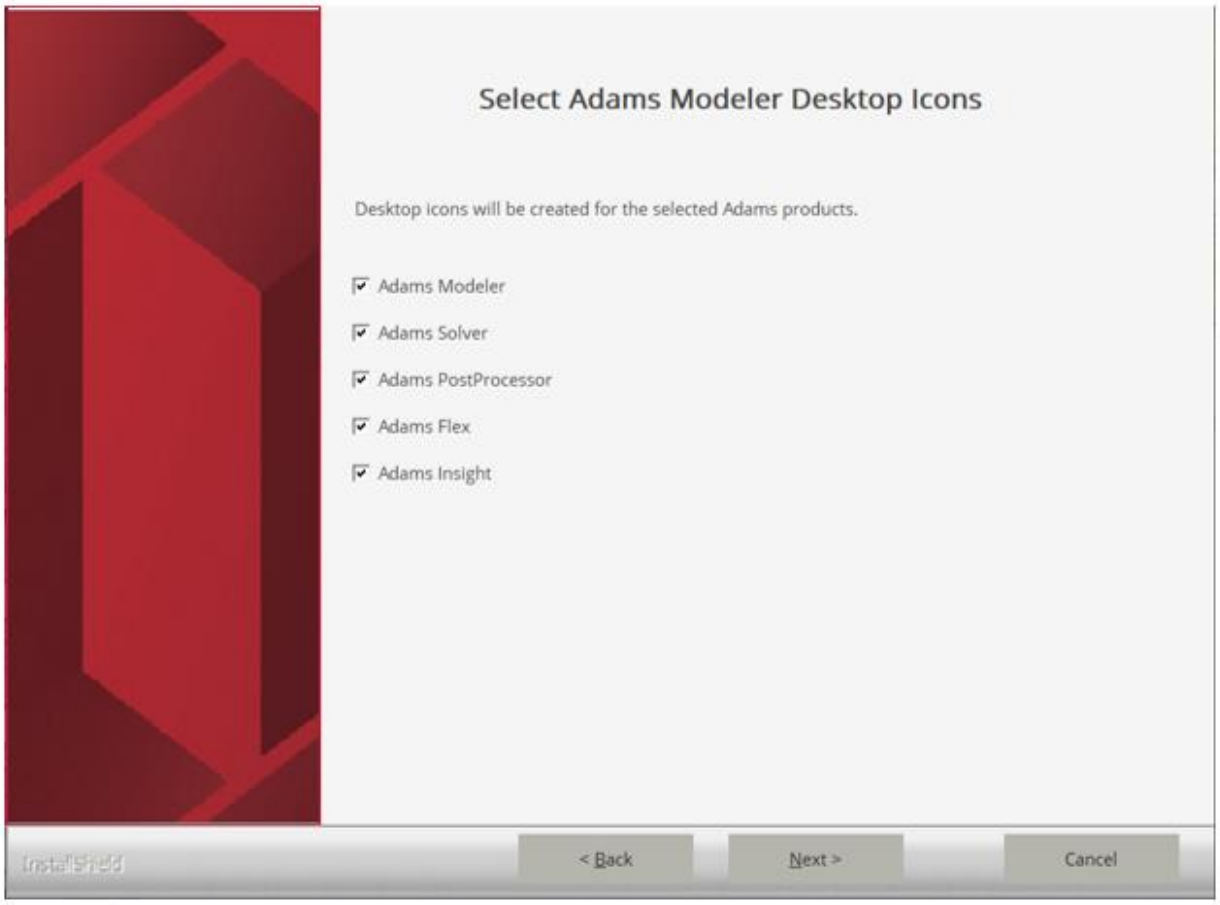
   Note: If you don't enter this information here, you can specify it later via the Windows Start Menu – Programs – point to the installed Adams Modeler version, and then select Settings & License. From there select Licensing and enter either the path and filename of your license file or enter your license server's hostname in the following form: 27500@hostname



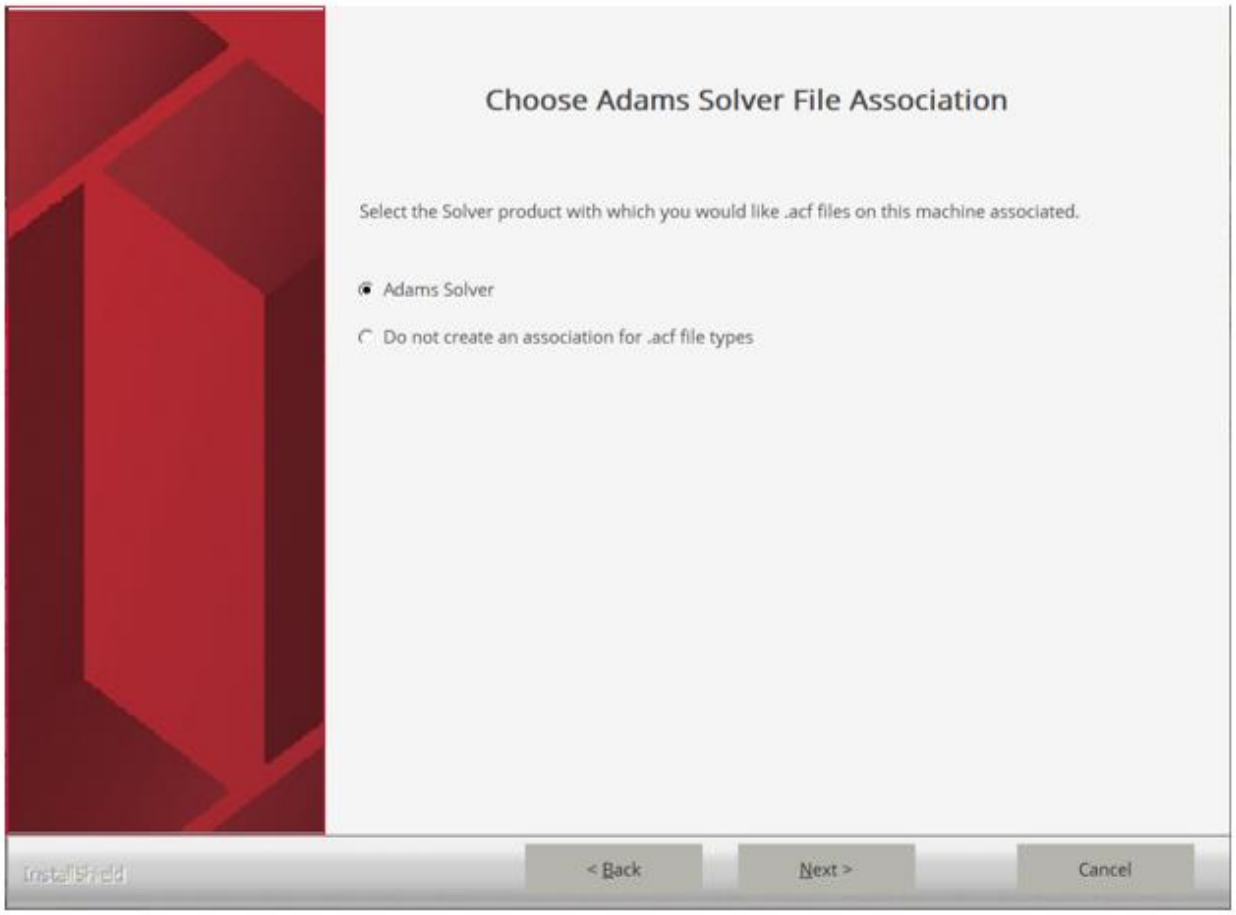
10. Specify whether or not you want to install the various desktop icons and click Next.



11. If you selected Yes in the previous step, then select the products for which icons are to be created and click Next.



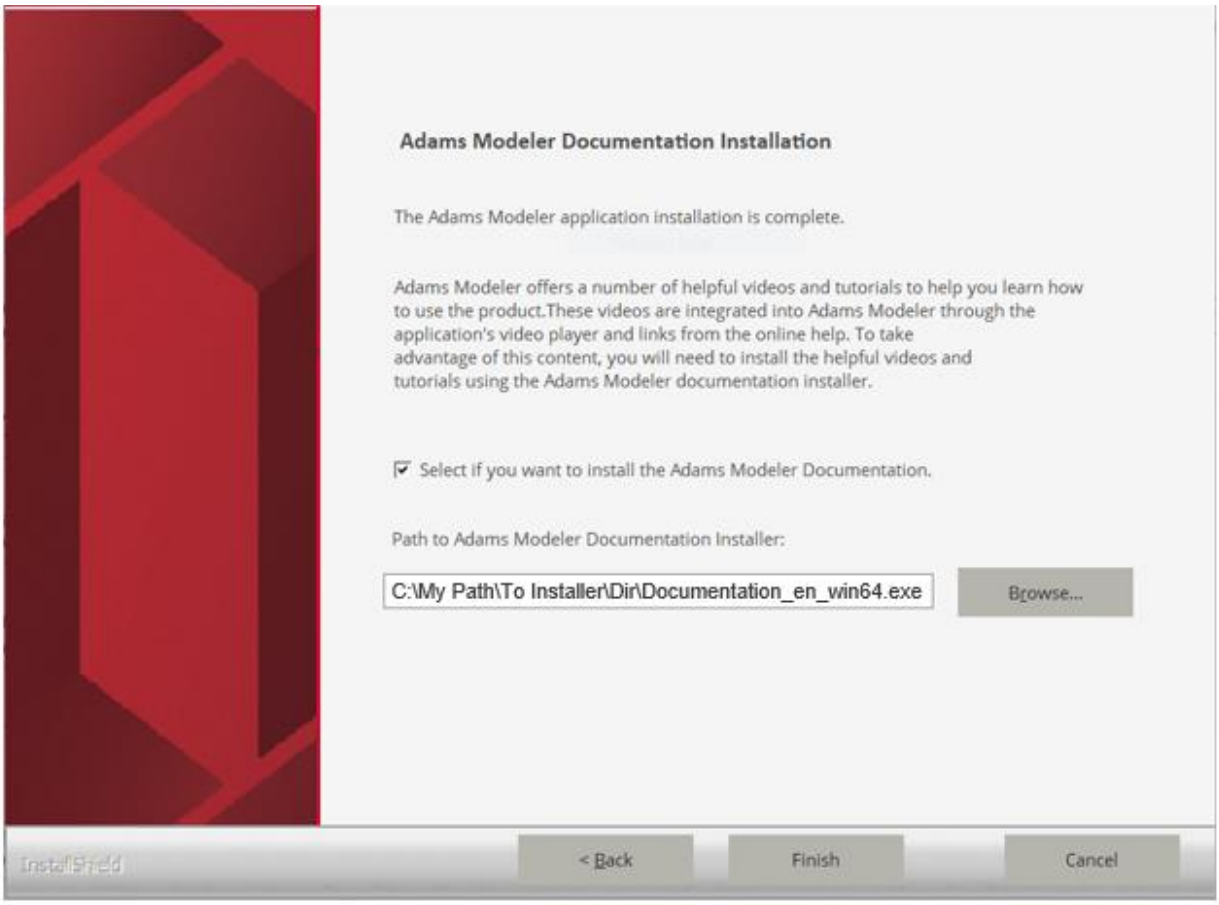
12. The Solver File Association window appears as shown below. Select Adams Solver of choose not to associate .acf files with Adams Solver. Then, click Next.



13. A dialog box appears indicating that the file permissions are being changed. If you do not have sufficient administration privileges you need to contact the system administrator. Click Next.

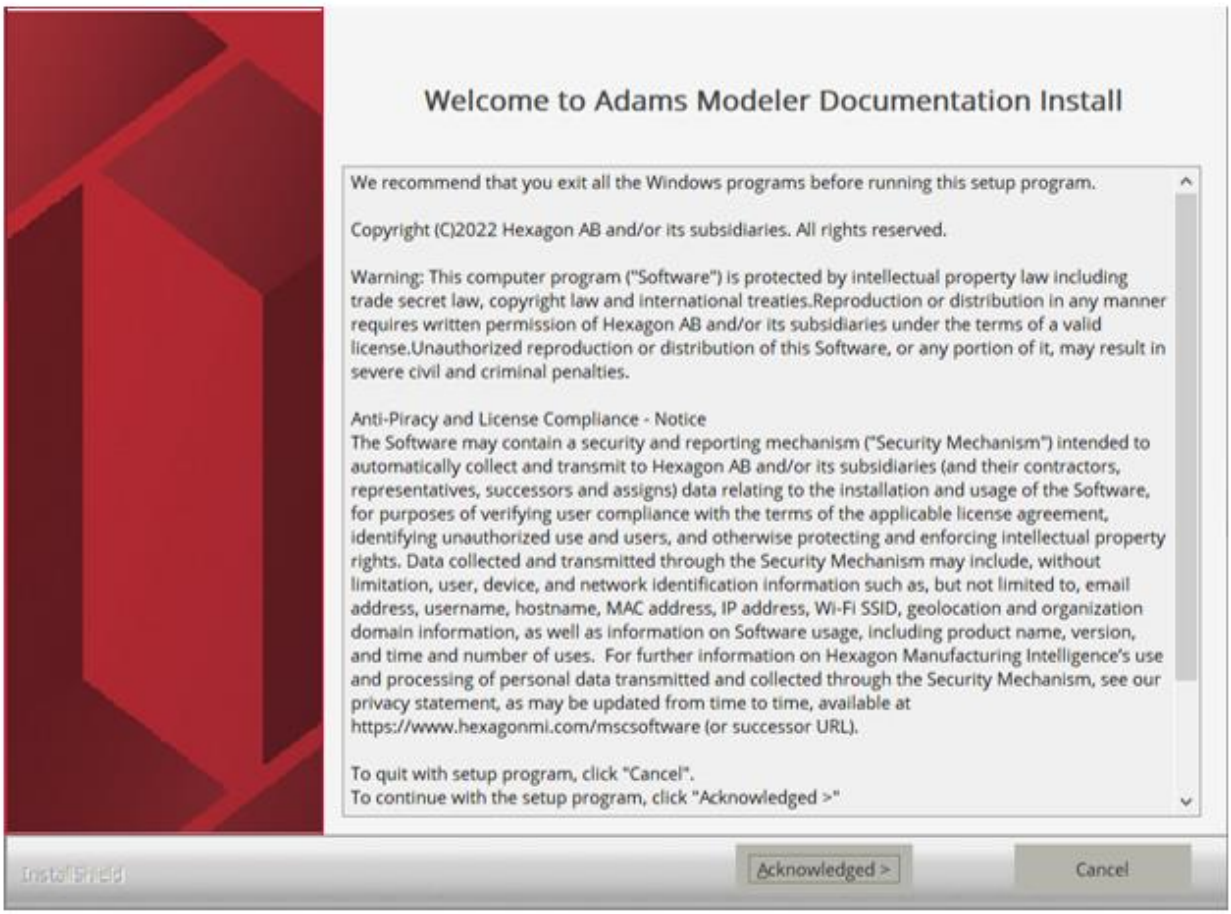
14. Choose if you would like to install the Adams Modeler documentation. This is distinct from the traditional Adams help documentation that was mentioned as part of an earlier step. The Adams Modeler documentation covers everything specific to the Modeler interface of the product as opposed to the traditional Adams View interface option that is also within the product (as well as other traditional Adams products included like Adams Solver and Adams PostProcessor).

    If you choose to install the Adams Modeler documentation, then click Browse and select the documentation installer.

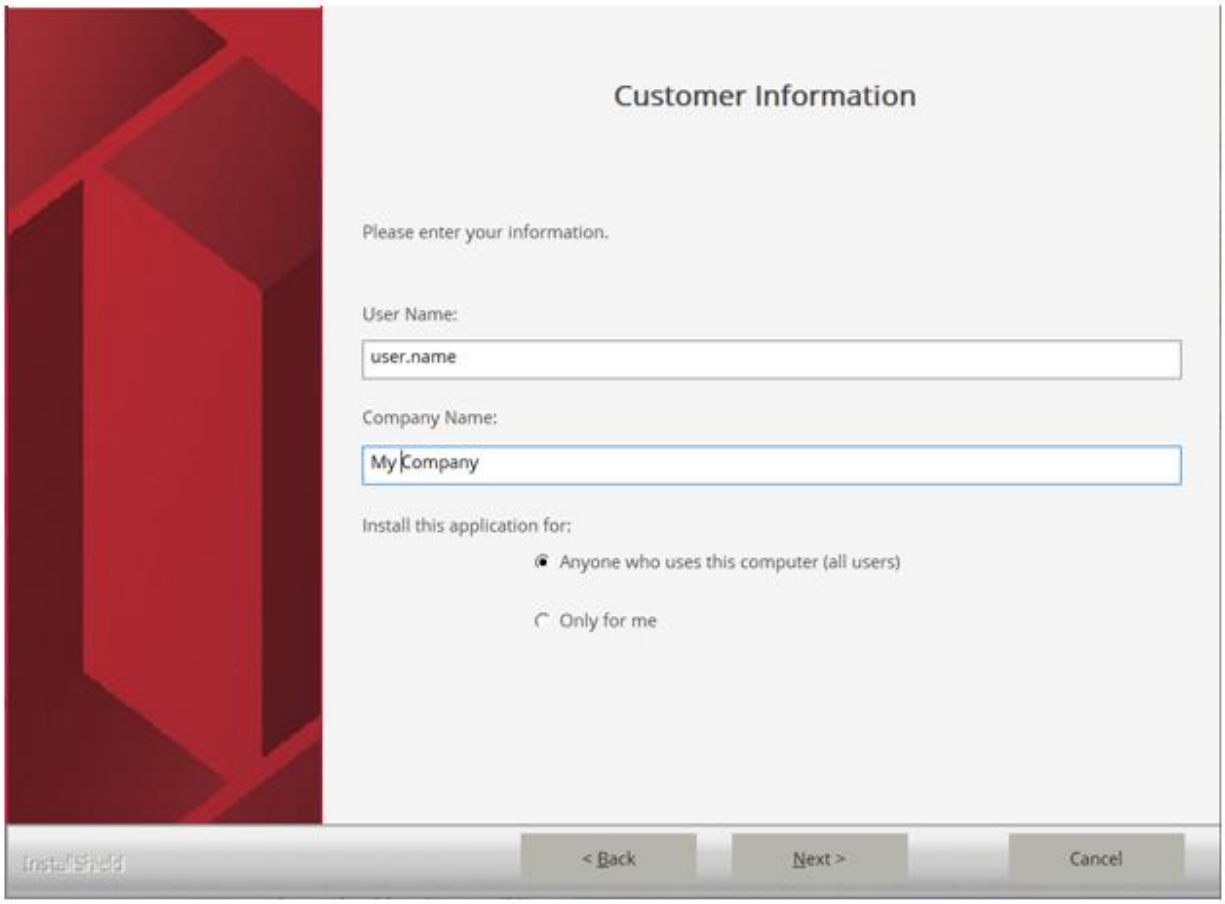


15. Click Finish. If you did ***not*** choose to install the Adams Modeler documentation, then the installation process competes here. Otherwise, if you chose to install the Adams Modeler documentation, then proceed to the next step.

16. If you chose to install the Adams Modeler Documentation, then its installer will launch and the license agreement window will be shown next. Click “Acknowledged” to proceed or “Cancel” to exit without installing the documentation.

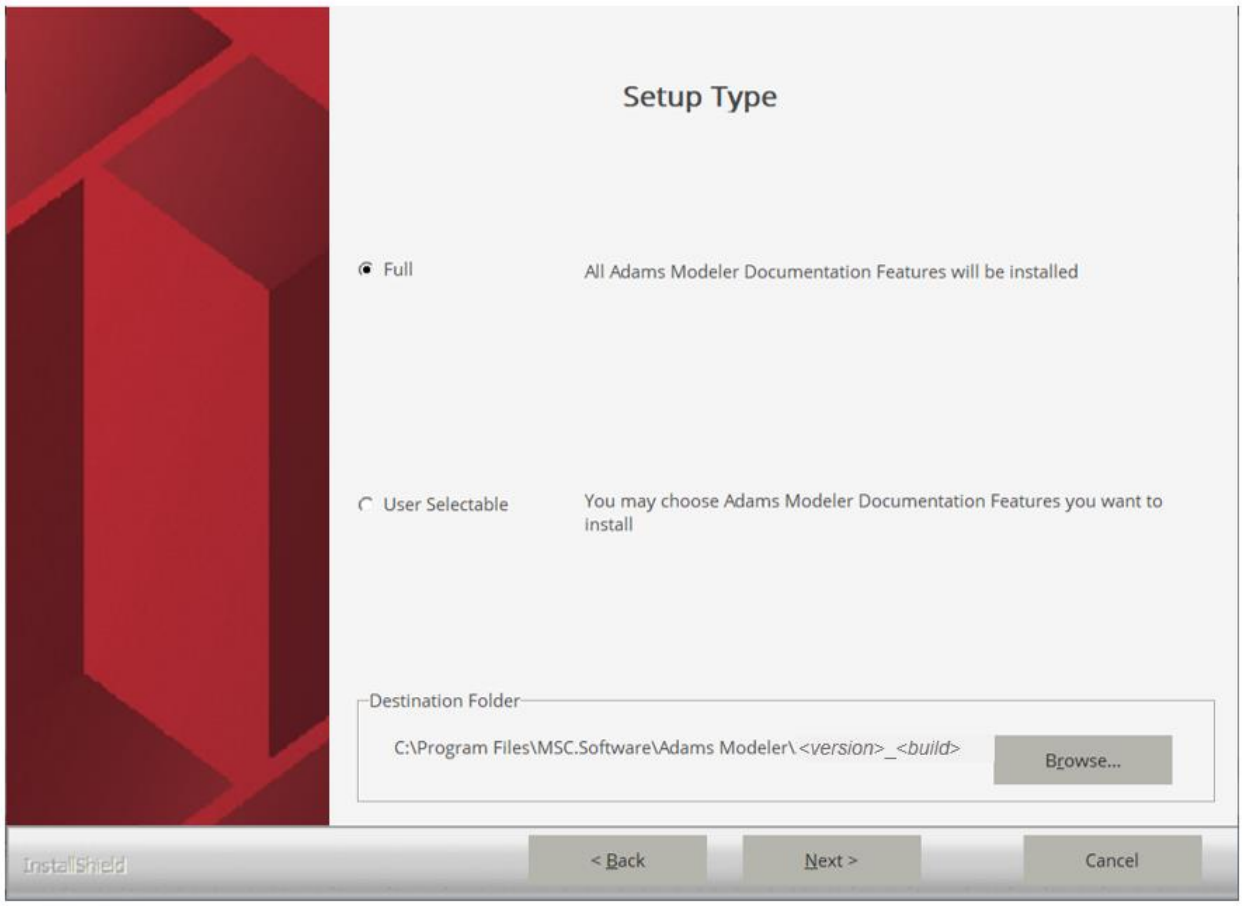


17. In the Customer Information window, enter your user and company name, and then select one of the following:
    - Anyone who uses this computer (all users) - Anyone logged on to this machine can run this version of Adams Modeler.
    - Only for me - A user must be logged on using the username and password that was used at the time of installation.



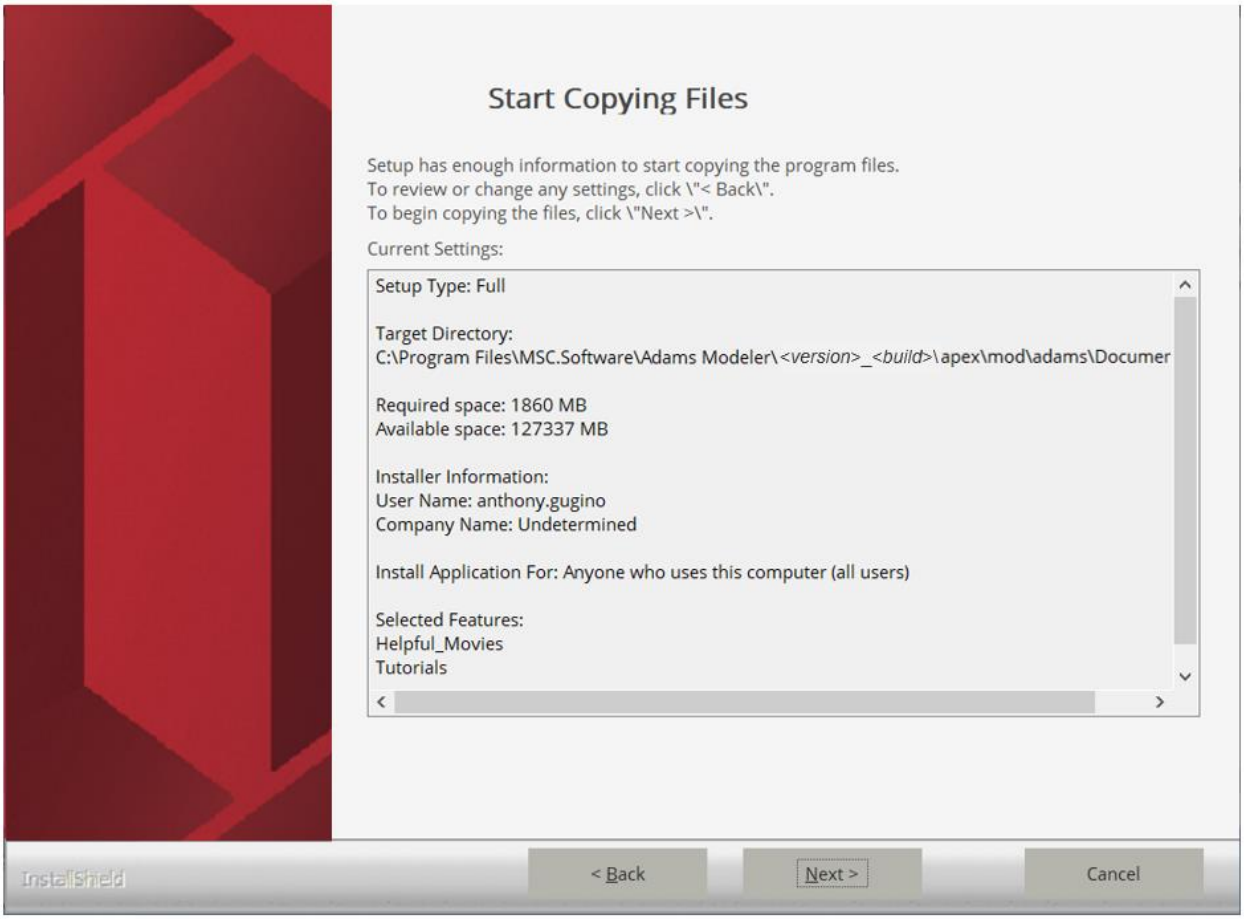
Click Next.

18. Select the type of installation you want to perform:
    - Full - Installs all Adams Modeler documentation features are installed.
    - User Selectable - Allows you to select the specific Adams Modeler documentation packages you want to install.



Click Next.

19. Confirm the installation settings and then click Next to begin the installation.



20. When the files have been extracted to the disk, the Installation Complete page is shown. Click Finish and the Adams Modeler documentation installation completes.