

Fusion's New Intent-Driven Design Experience – Planned for Early 2026


We want you to be prepared for the new Intent-Driven Design experience in Fusion that is being worked on for an early 2026 update. This document explains the changes, the new workflows, how to work in Fusion as you are today, and how to preview the new experience today.

What is Intent-Driven Design?


The new Intent-Driven Design experience will prompt you with a question when creating a new design, what do you want to create, a **Part**, **Assembly**, or a **Hybrid** design. Each option will tailor Fusion's user interface by only showing the tools that are relevant to what you are creating.

Note: In the **Assembly** experience, you work with external components in the context of the assembly, enabling improved group collaboration and larger assembly performance.


What do you want to create?




Design
Part




Design
Assembly




Design
Hybrid



Drawing



PCB Assembly





Electronics Library


Part design

Creates a new **Part Design** where you use sketches and bodies to model a single component to manufacture or use in an assembly.

Type

Unit System

 Custom

Length

inch (in)

Mass

ouncemass

[Learn more](#)

Cancel







Create new

Intent-Driven Design Definitions

Each experience will tailor the user interface to suit the user's intent. In short, when creating a new design, you should:

- select **Part** if you are designing a single component.
- select **Assembly** if you are collecting components together.
- select **Hybrid** if you want to continue with the current Fusion design and assembly workflow.

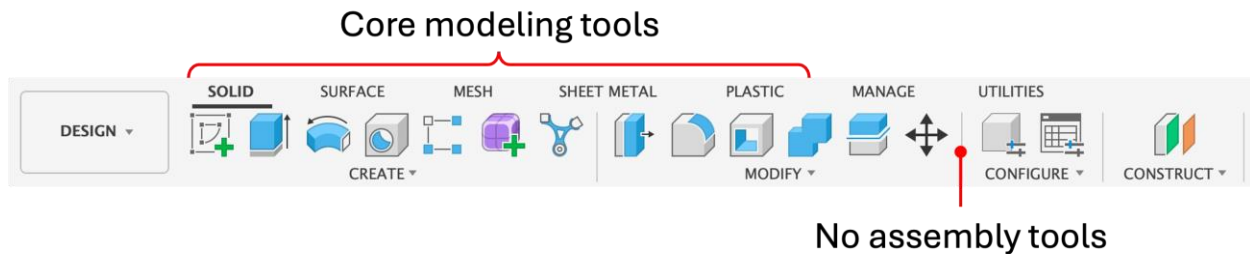
The image below provides an overview of each experience and when to use it. To enable you to continue using your existing teaching materials, students can choose the **Hybrid** experience which they will already be familiar with. When the timing is right, you can consider incorporating the **Part** and **Assembly** experiences into your curriculum.

  Design Part	  Design Assembly	  Design Hybrid
<p>Intent: Use <u>part modeling</u> tools <u>only</u> to design a <u>single</u> component</p> <p>Use: Create an individual component which can be <u>inserted into an assembly</u></p>	<p>Intent: Use <u>assembly</u> tools <u>only</u> to join and constrain <u>external</u> components together</p> <p>Use: Create an assembly by <u>inserting</u> and <u>creating</u> <u>external</u> components</p>	<p>Intent: Use <u>part modeling</u> and <u>assembly</u> tools to design, join and constrain <u>internal</u> or <u>external</u> components together</p> <p>Use: Resembles <u>current</u> workflow. Use this option to create assemblies with <u>internal (local)</u> components</p>

Part Design Experience

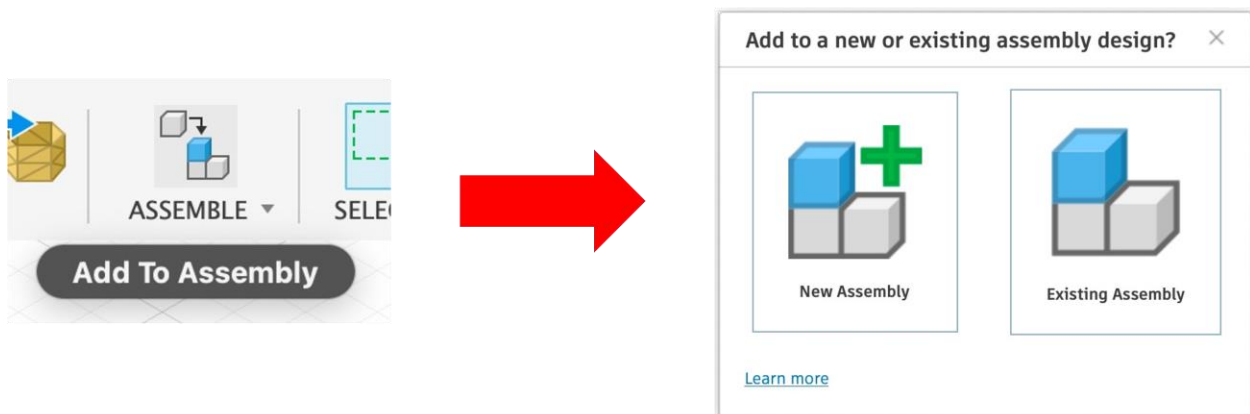
The toolbar

The **Part** design experience streamlines the user interface by displaying only part modeling tools. Use this option to model standalone components.



Inserting a part design into an assembly design

A part design is a stand-alone component; you cannot insert or create additional components inside of it. If needed, Part designs can be inserted into a new or existing assembly design from the ribbon.

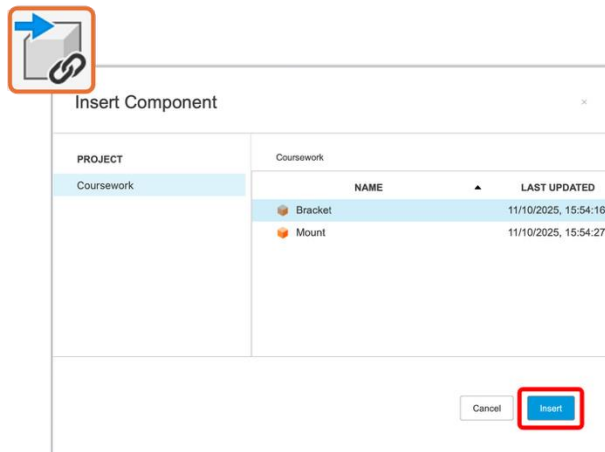
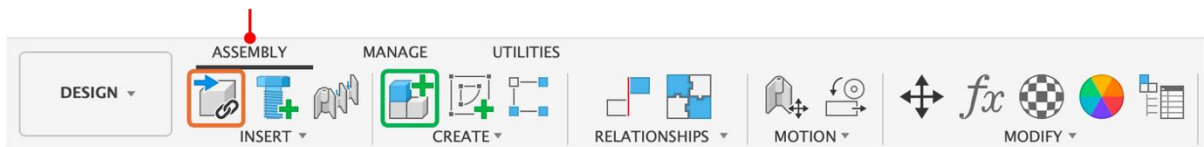


Assembly Design Experience

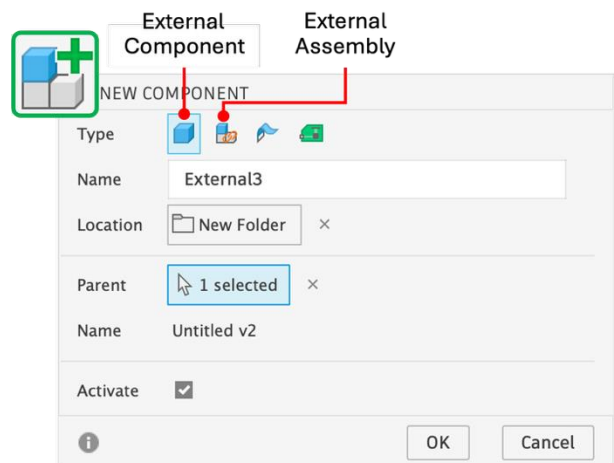
The toolbar

The **Assembly** design experience streamlines the user interface by only displaying assembly tools. Use this option to create an assembly, insert components, and create and edit external components or assemblies in the context of the assembly.

Assembly tools only



Insert component

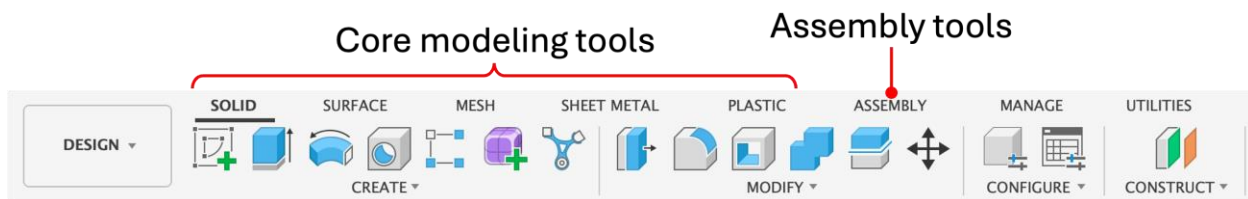


Create new external component

Hybrid Design Experience

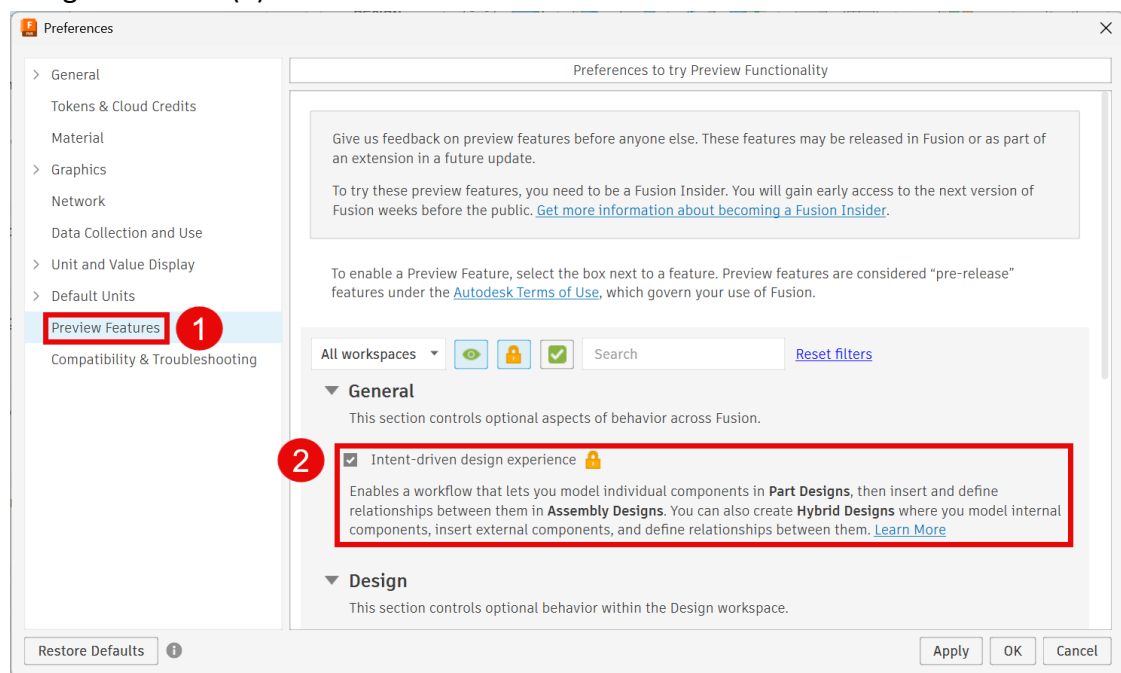
The toolbar

The **Hybrid** design experience resembles the historical Fusion workflow by displaying the core modeling tools, but the assembly tools are now located on a new Assembly tab. Use this option to create an assembly with internal (default) or external components.



Next Steps

1. [Watch a video on Intent-Driven Design](#)
2. If you have questions, post them to the [Fusion Design, Validate & Document Forum](#).
3. If you would like to try the new Intent-Driven Design experience, please do the following.
 - i) Update Fusion to release # 2605.1.39 or higher.
 - ii) Restart Fusion.
 - iii) Turn on the Preview. On the top-right corner of the screen click on your profile picture or initials and click on Preferences > Preview Features (1) > General > Intent-driven design workflow (2).



4. Forward this document to your students as needed.
5. When time permits, consider adopting the new Part and Assembly experiences in your curriculum.

FAQs

1. What experience will be active when I open a legacy Fusion Design file?

- When opening an existing Fusion design file that is an assembly or just a component file, you'll have Hybrid modeling experience; if needed, you can create new internal or external components.

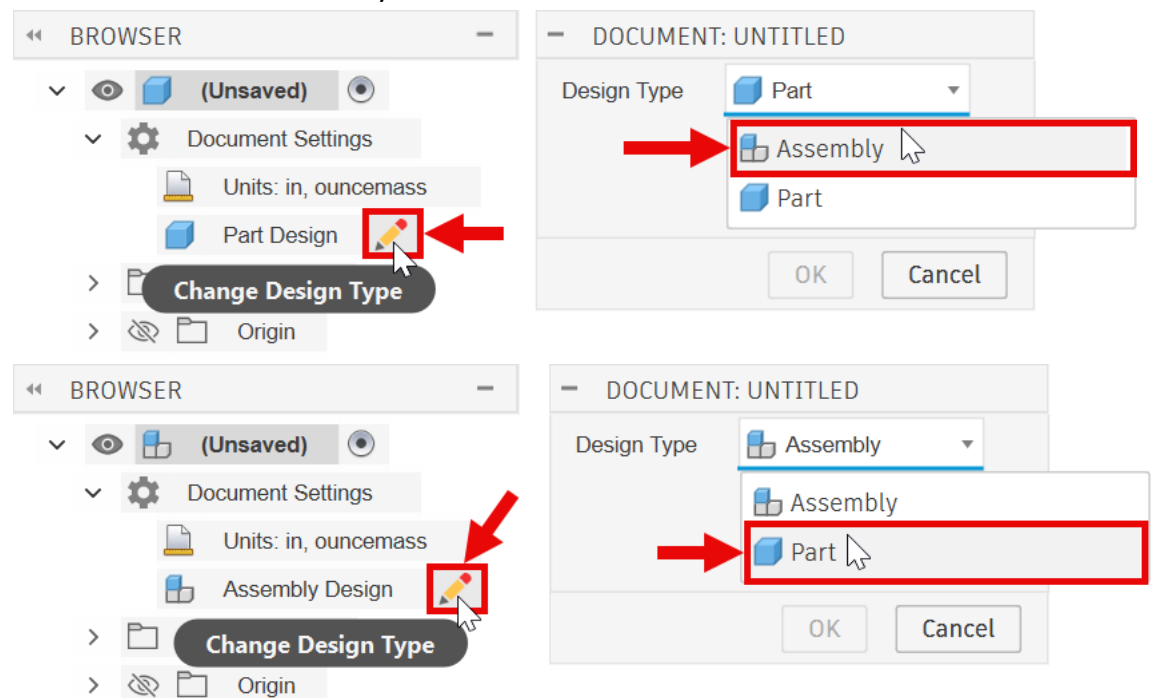
2. If I'm modeling a single component, what experience should I use?

- Use the Part modeling experience. Only component modeling tools will be displayed.

3. If I start with the Part or Modeling experience, can I switch to the other experience?

- Yes, you can change the experience. In the browser click on Document Settings > Part or Assembly Design and in the dialog select the other experience.

Note: The Assembly experience can only be changed before a design file is referenced into the assembly.



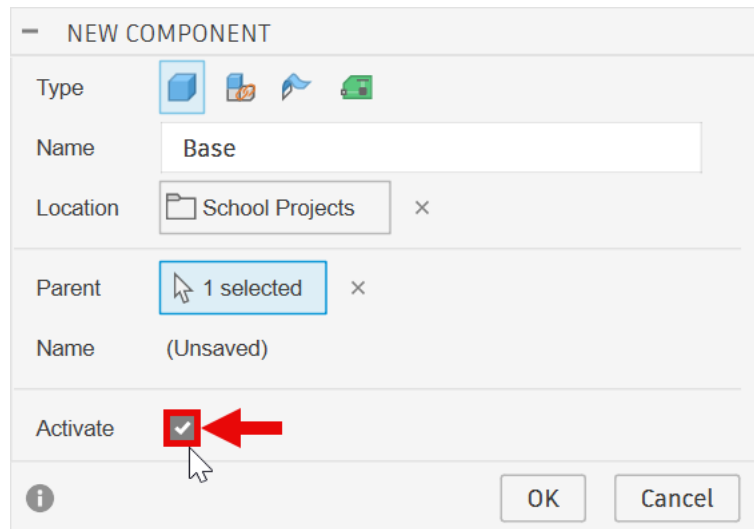
4. When I open an Autodesk Inventor assembly in Fusion, what happens to the referenced files, and what experience will be active?

- The referenced files will become local components in an assembly, and the Hybrid Assembly experience will be used.

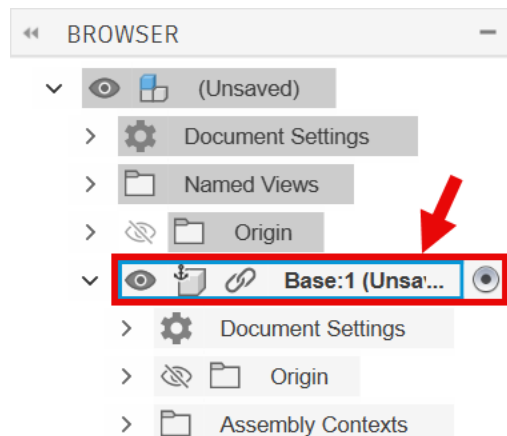
5. While in the Assembly experience, what happens when I create a new component?

The following steps explain the process to create a new component while in the Assembly experience.

- After clicking on the Create > New Component tool, in the New Component dialog, the Activate option will be on by default. The Activate option creates an external component in the context of the assembly.
- If Activate is unchecked, an external file will be created in the browser, but it will not be active. In both instances, you need to save the assembly to add the file to the Data Panel and Home tab.



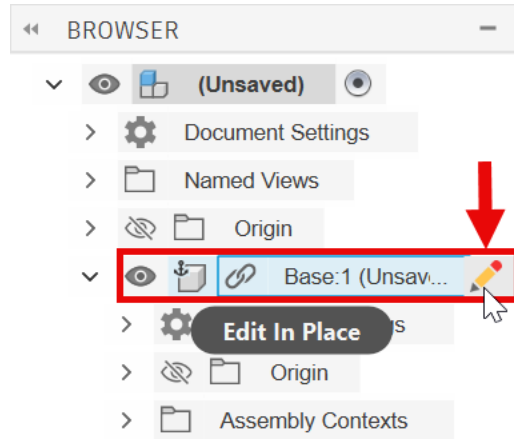
- In the browser, a new external component will be added and active.



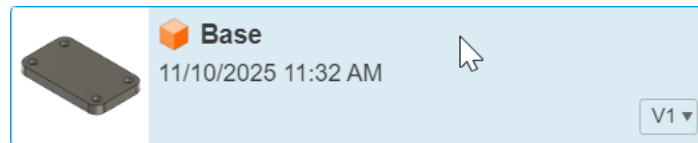
- When you're done editing the design, at the top of the canvas, click Finish Edit In Place.



- To edit the design while in the assembly; in the browser, to the right of the component's name, click on the Edit in Place icon.

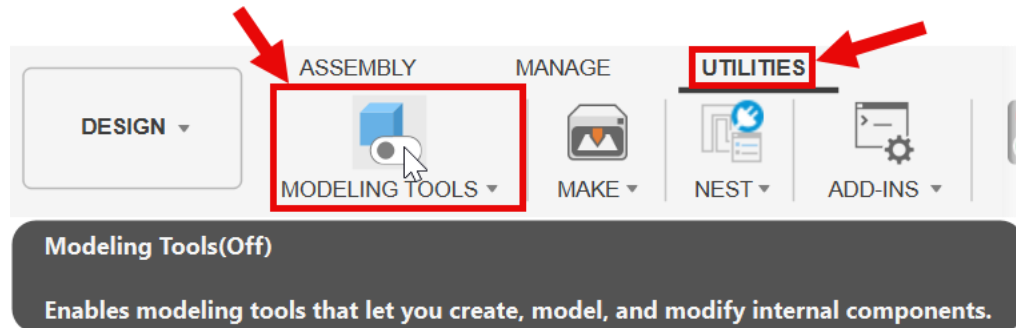


- When the assembly is saved, the external design will be saved as its own file and be added to the Data Panel and Home tab.



6. in the Assembly experience, can I create a new local component?

- Yes, this can be turned on by clicking on the Utility tab > Modeling Tools.



7. Does the Assembly experience allow for top-down modeling (components are created in the context of an assembly file)?

- Yes, you can still model assemblies using a top-down approach using the Assembly experience with external components by using “New Component” to build your assembly structure in the context of the assembly.
Note: Each component will be created externally when you save the Assembly design.
- You can also opt for a bottom-up approach of modeling individual Part designs and inserting these into an assembly.