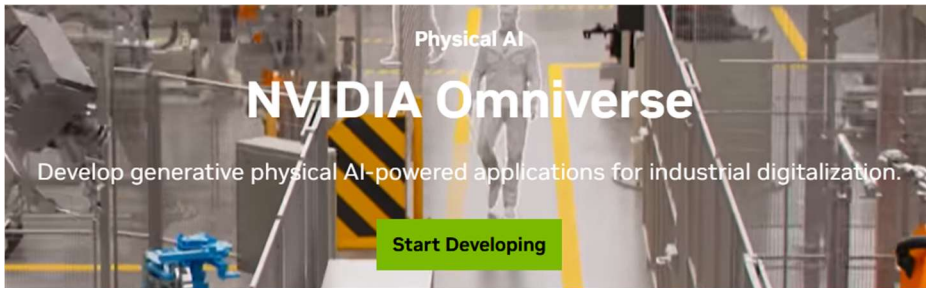


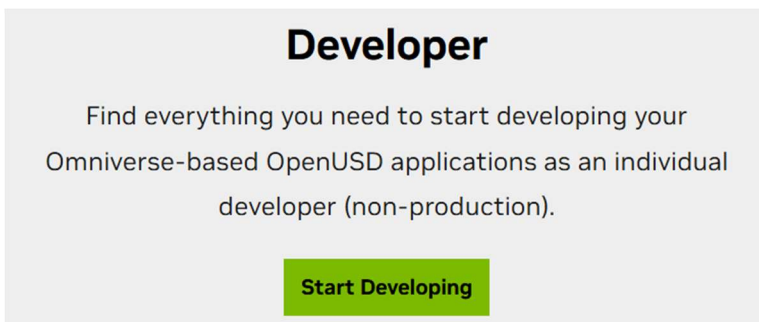
Steps to configure Omniverse with AnyLogic

1. Setup Omniverse

1. Go to <https://www.nvidia.com/en-in/omniverse/> and click on “Start Developing” button. If the previous link doesn’t show that, try with the following [link](#) and jump to the 3rd step.



2. Then click again on “Start Developing”



3. Then click on “Windows” where says Access Omniverse Launcher. A download will automatically start.

Ways to Get Started With NVIDIA Omniverse

Take advantage of OpenUSD, RTX, and generative AI technologies to build 3D applications, scale world generation and tools that bring interoperability and advanced graphics to digital twin use cases.

Build



Developer Tools and Kit SDK Build From Scratch

Develop an OpenUSD-native application from scratch with the Omniverse Kit SDK and developer tooling, including the Omniverse App Streaming API and the legacy Omniverse Launcher.

[Start with Samples >](#)

[Download Omniverse Kit SDK for Windows and Linux.](#)

[Access Omniverse Launcher for Windows or Linux.](#)

Note: Omniverse Launcher will be deprecated on October 1, 2025. Visit the [legacy tools](#) page for more details.

Deploy

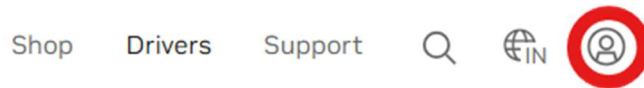


Omniverse Kit App Streaming API Stream a Pre-Build App

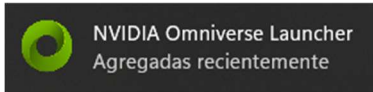
Deploy Omniverse Kit-based applications from the cloud and stream interactively for seamless integration into web-based solutions.

[Download From NVIDIA NGC >](#)

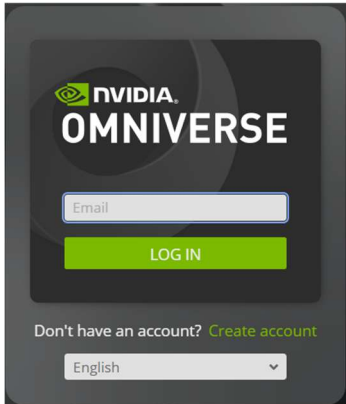
- At this point it is necessary to have an Nvidia account, so in <https://www.nvidia.com/en-in/omniverse/> click at the top right to create an account.



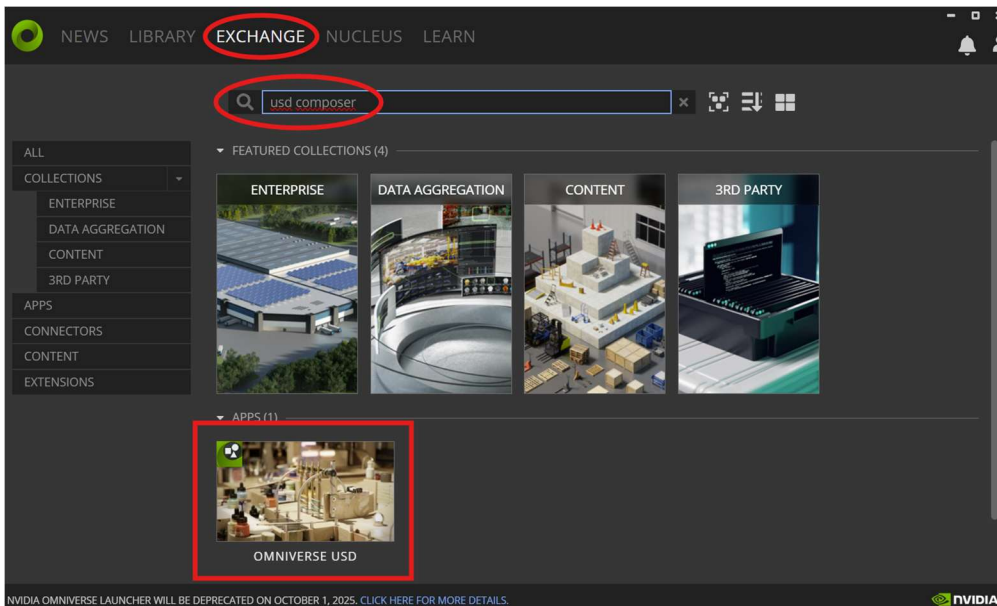
- Then when the download is finished, open Omniverse Launcher on your computer.



- You'll need to use your Nvidia account to log in to omniverse launcher.



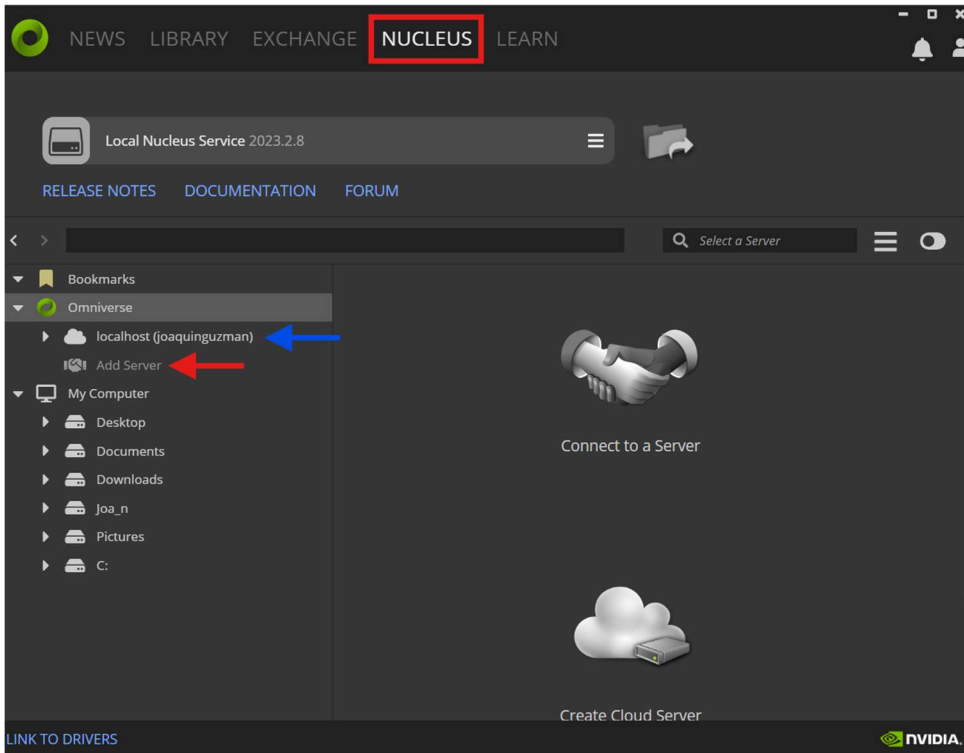
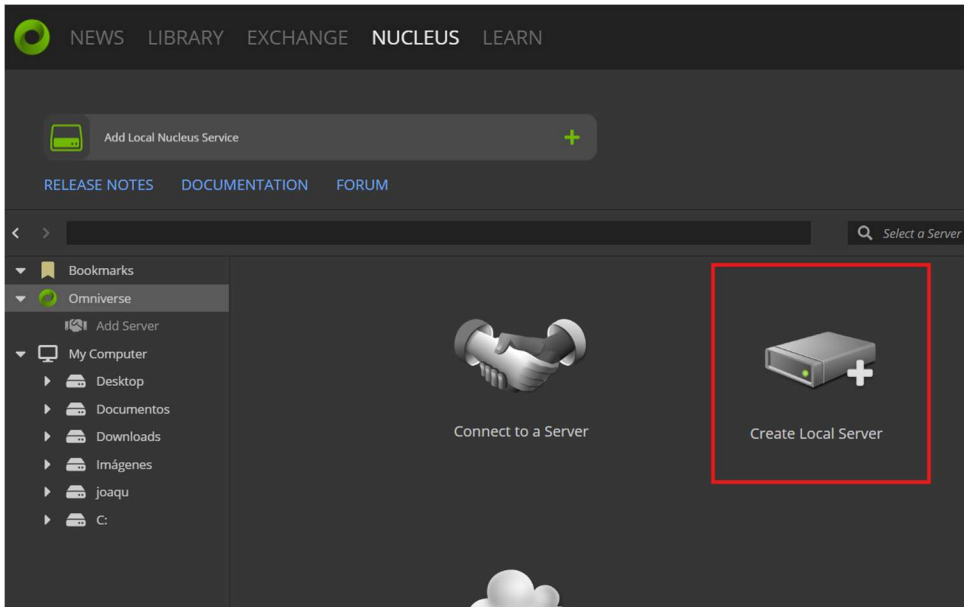
- Then click on "EXCHANGE", search for "usd composer" and click on "OMNIVERSE USD" app to download all the dependencies.



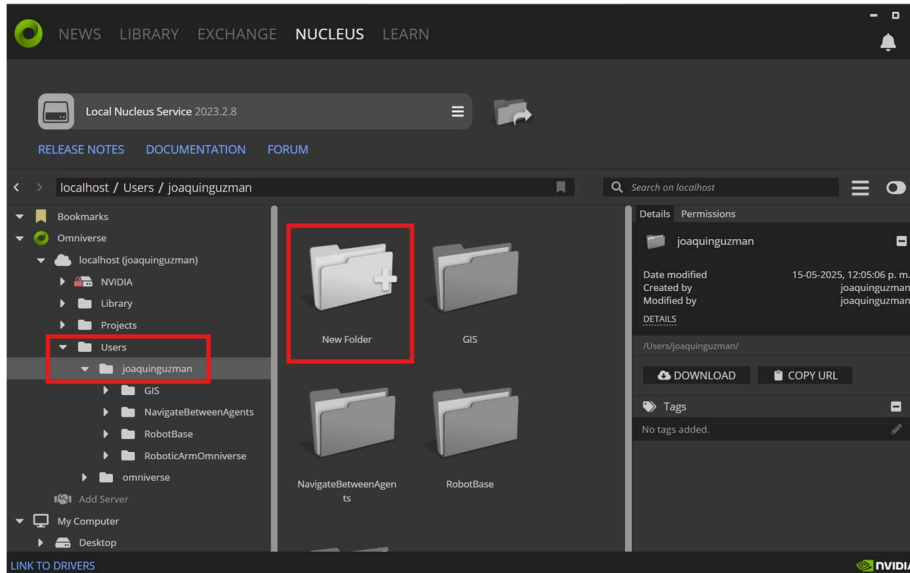
8. After the download is complete, click on “LAUNCH”.



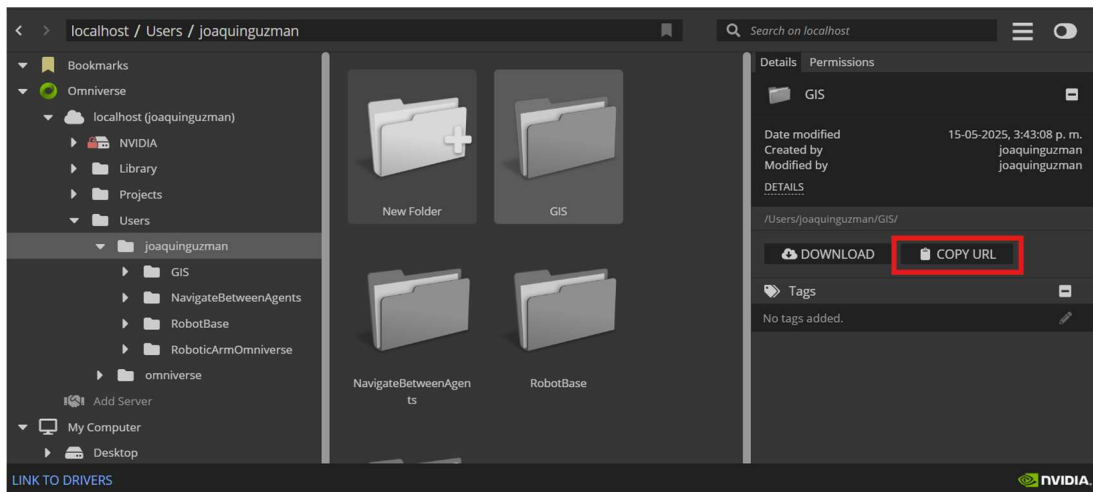
9. While the app is being opened, click on the “NUCLEUS” tab of the omniverse navigator. Then add a new server where the red arrow shows “Add Server” and create a “localhost”. You'll see something similar to what the blue arrow indicates.



10. Then inside the localhost, find the “Users” folder and click on you username folder. After that, create a new folder.



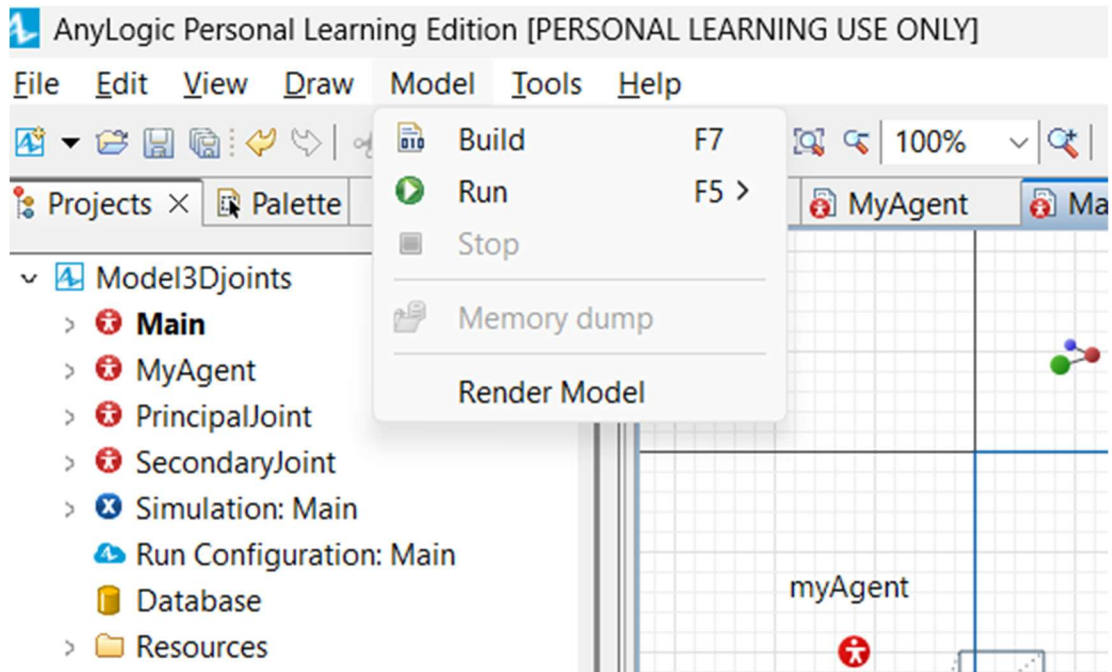
11. Lets use as an example the “GIS” folder, this folder will be used by AnyLogic to save the rendered model, click on “COPY URL” button to use that path in AnyLogic.



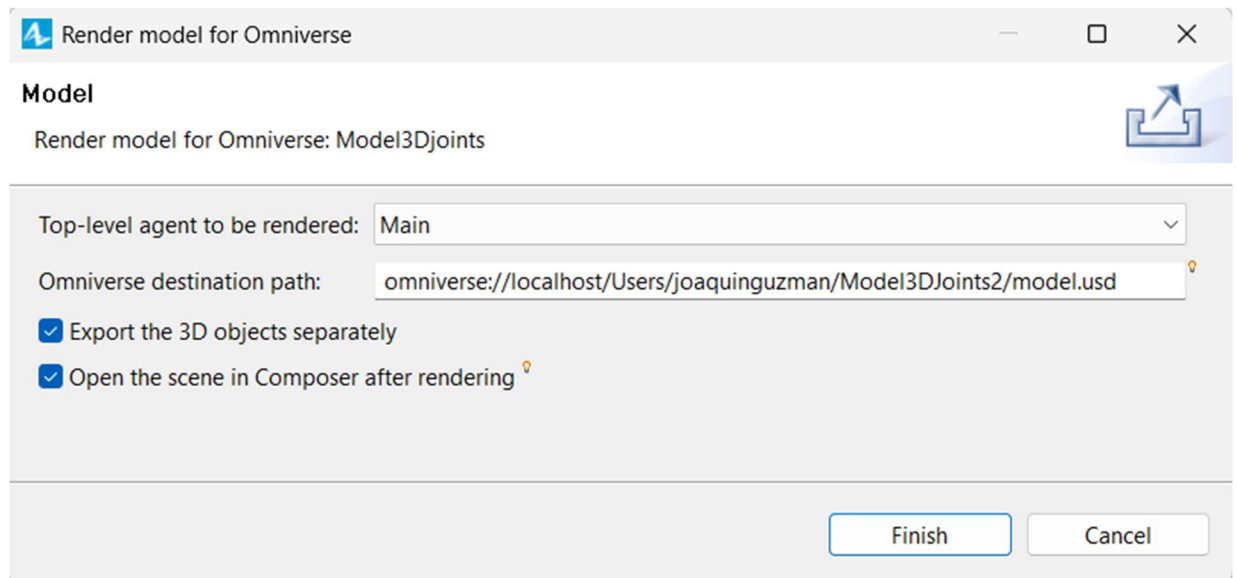
2. AnyLogic

1. The prerequisites for AnyLogic are the following ones:
 - a. Have a 3D window in the agent you want to visualize.
 - b. Have some 3D objects in the top level agent you want to visualize or in the lower level agents.

- When the model is ready with all the components to visualize, go to ->Model->Render Model.

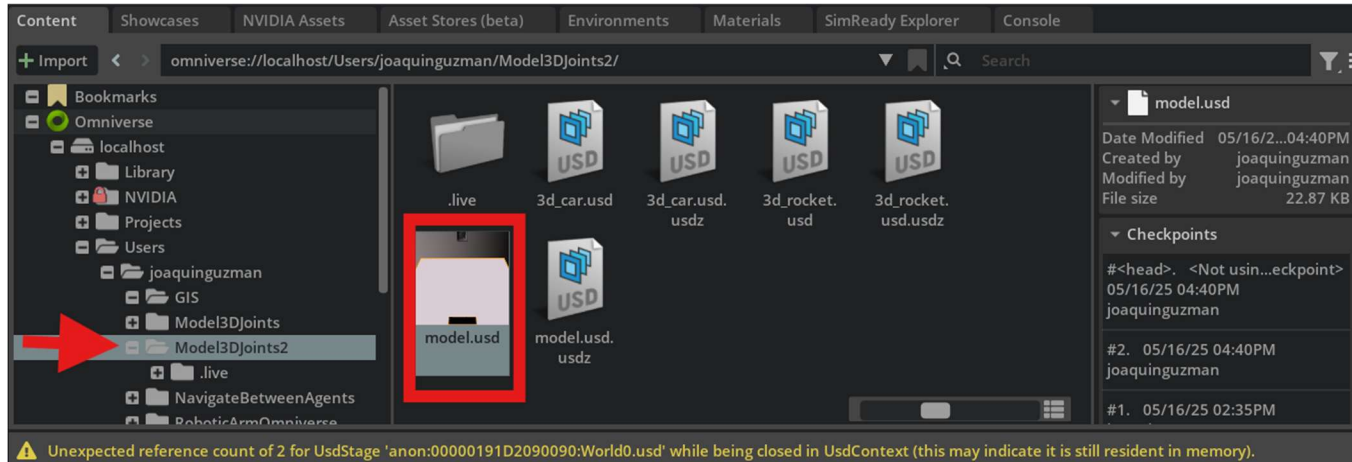


- A pop-up window will appear and here the Top-level agent must be selected (remember only agents with a 3D window in there will be available to be rendered). Also the omniverse destination path must be selected, for that we will use the URL selected in the 11th step of the Setup Omniverse section plus a custom name for the model that must end with the .usd suffix. Ex: URL/nameOfTheModel.usd

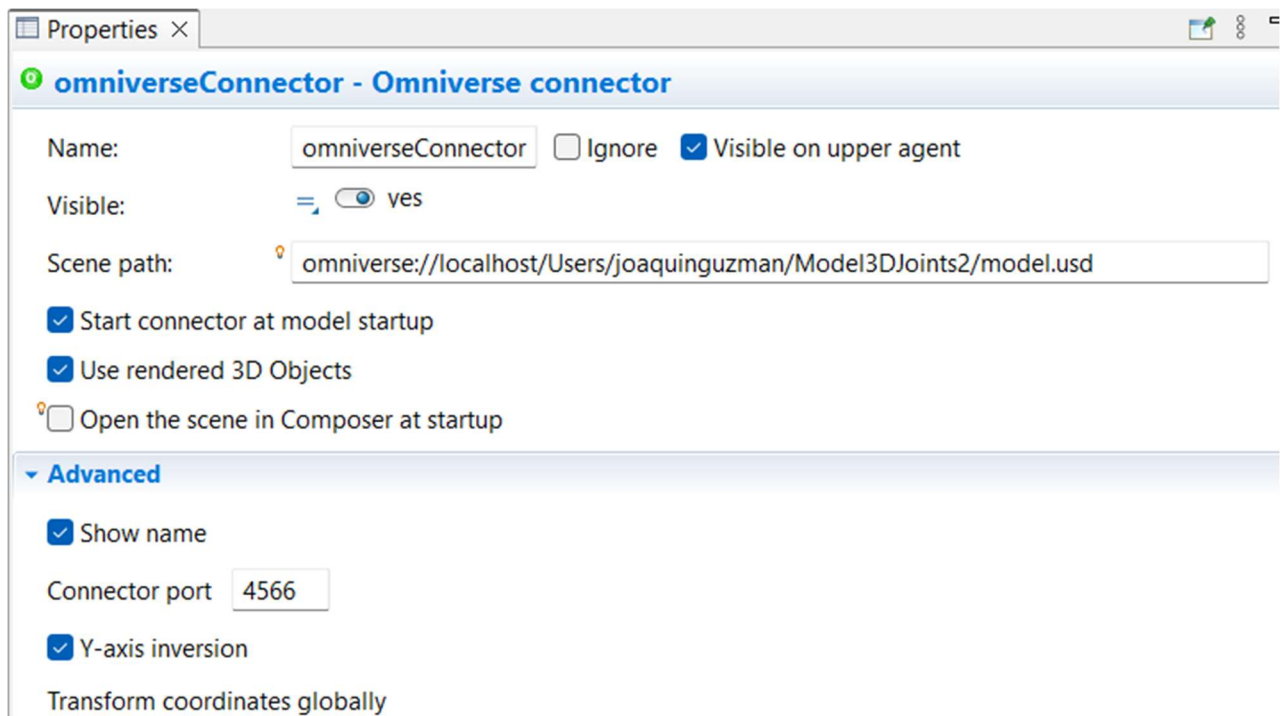


- The last option of the previous step "Open the scene in Composer after rendering" will open the USD Composer window with the model rendered. If this option is disabled you'll need to open it using the steps from 5 to 8 of the previous section,

and then find the folder as it is shown in the image below with the red arrow and then double click on the model.usd exported.



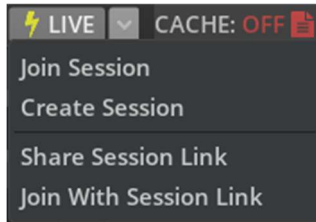
5. In the top-level agent, drag and drop the Omniverse connector of the Presentation section from the Palette. The Scene path should be already set if you render the model before this step.



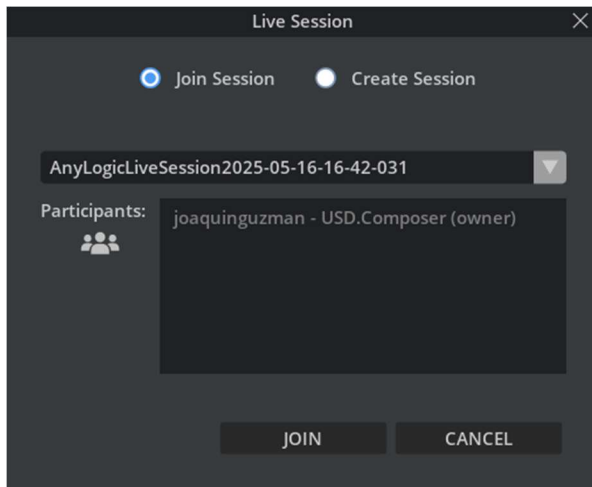
3. Run the simulation in AnyLogic and connect it to USD Composer.

1. Run the simulation model in AnyLogic.

2. With the USD composer open, find the USD model and display the dropdown list at the top right on “live”.



3. Click on “Join Session” and find the AnyLogicLiveSession (which is the simulation run), and click on JOIN.



4. You are all set to watch the simulation running in USD Composer.
5. To end the Session, click on “Leave Session” in the live dropdown list.

