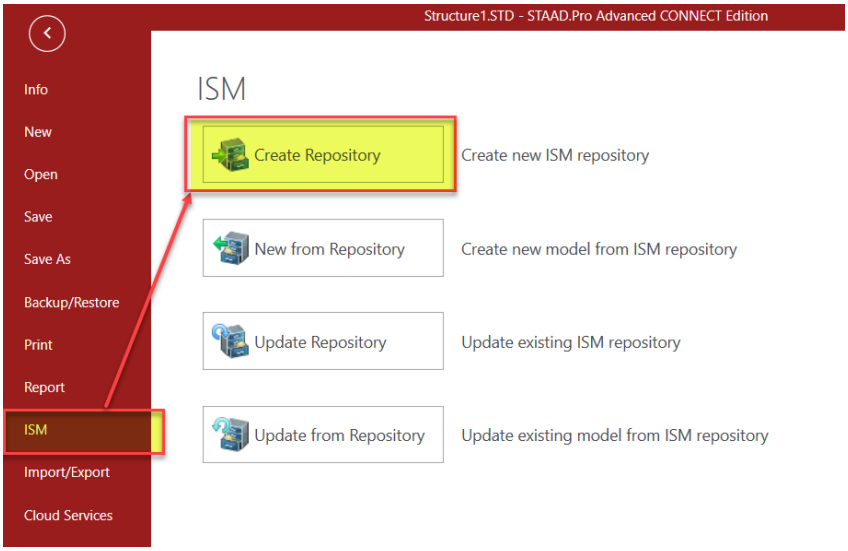
Importing a grid (dxf file) into the STAAD.Pro Physical Modeler

As of now there is no option to import grids (as dxf files) into the STAAD.Pro Physical Modeler (SPPM) but you may follow the steps listed below as a workaround.

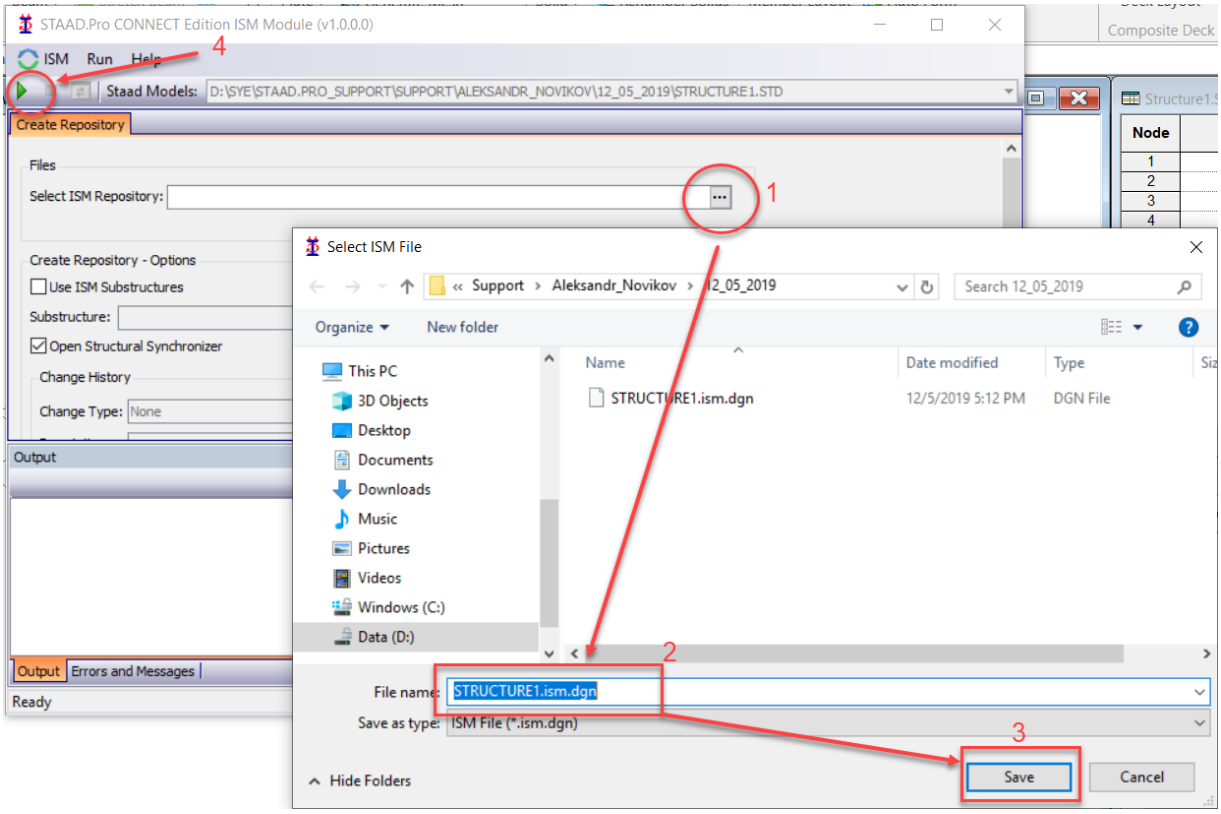
Import the dxf file into the Analytical Modeler though File > Import/Export > 3D DXF

Assign some section properties to all the members just for the purpose of generating an ISM file

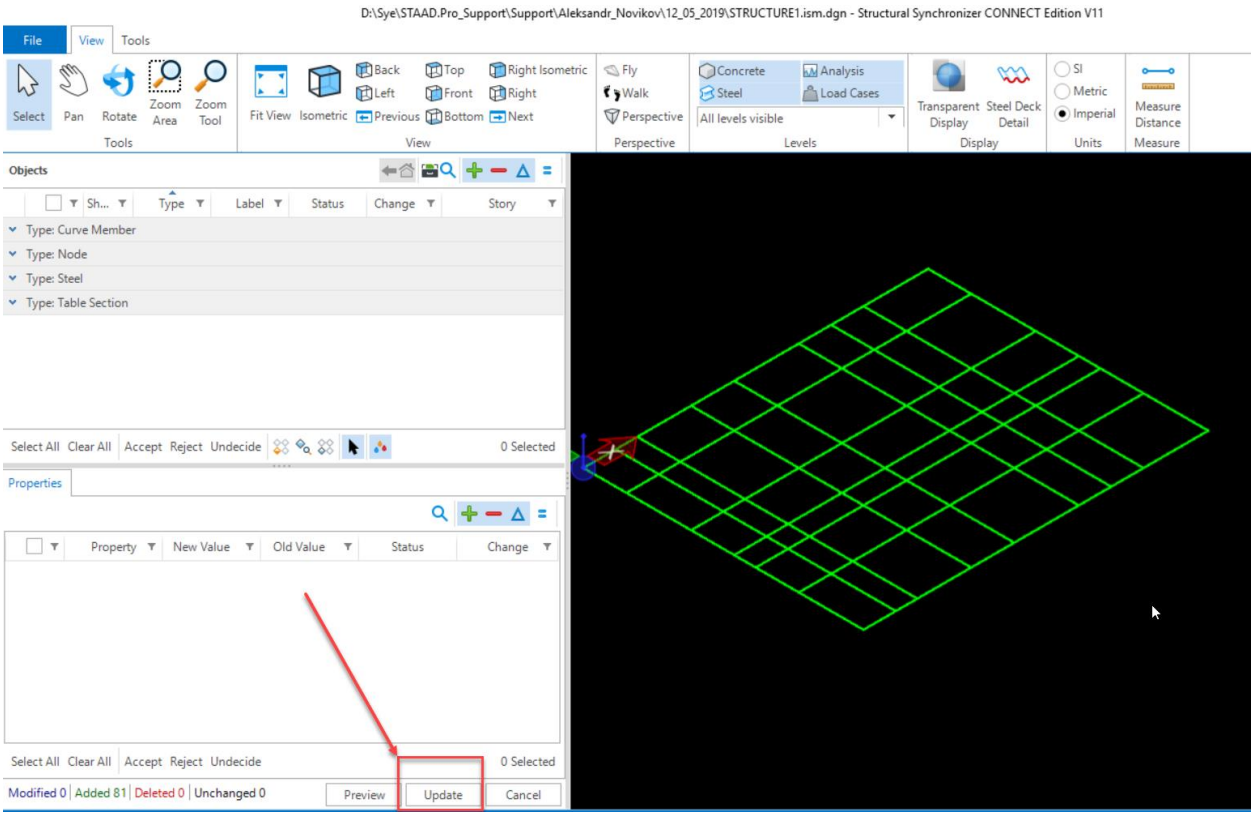
From within the Analytical Modeling interface, go to File > ISM > Create Repository option



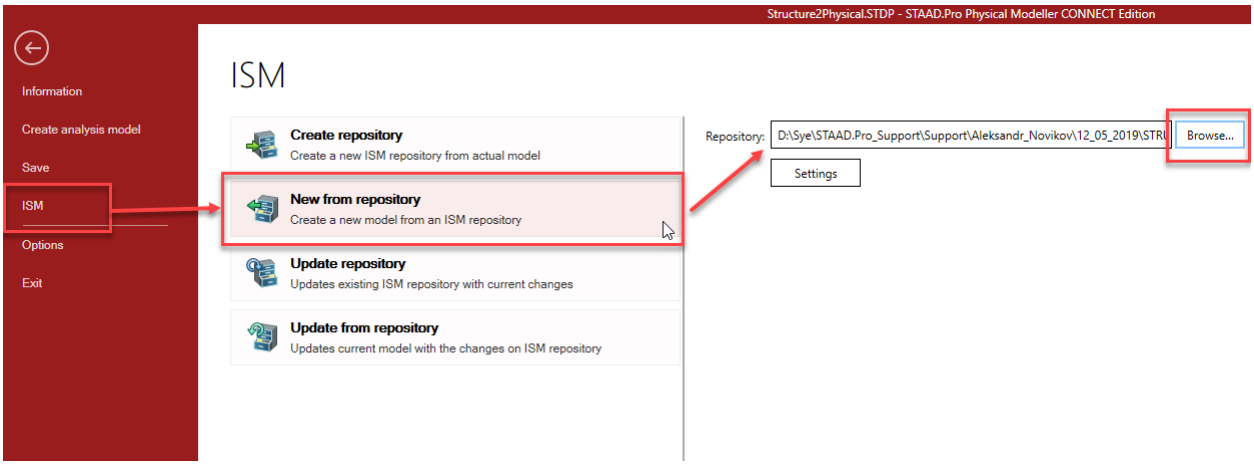
In the resulting dialog box, choose the options as shown below to start generating the ism.dgn file



The Structural Synchronizer software (ISM) would launch as shown below. Click on the Update button to complete the ISM model generation.

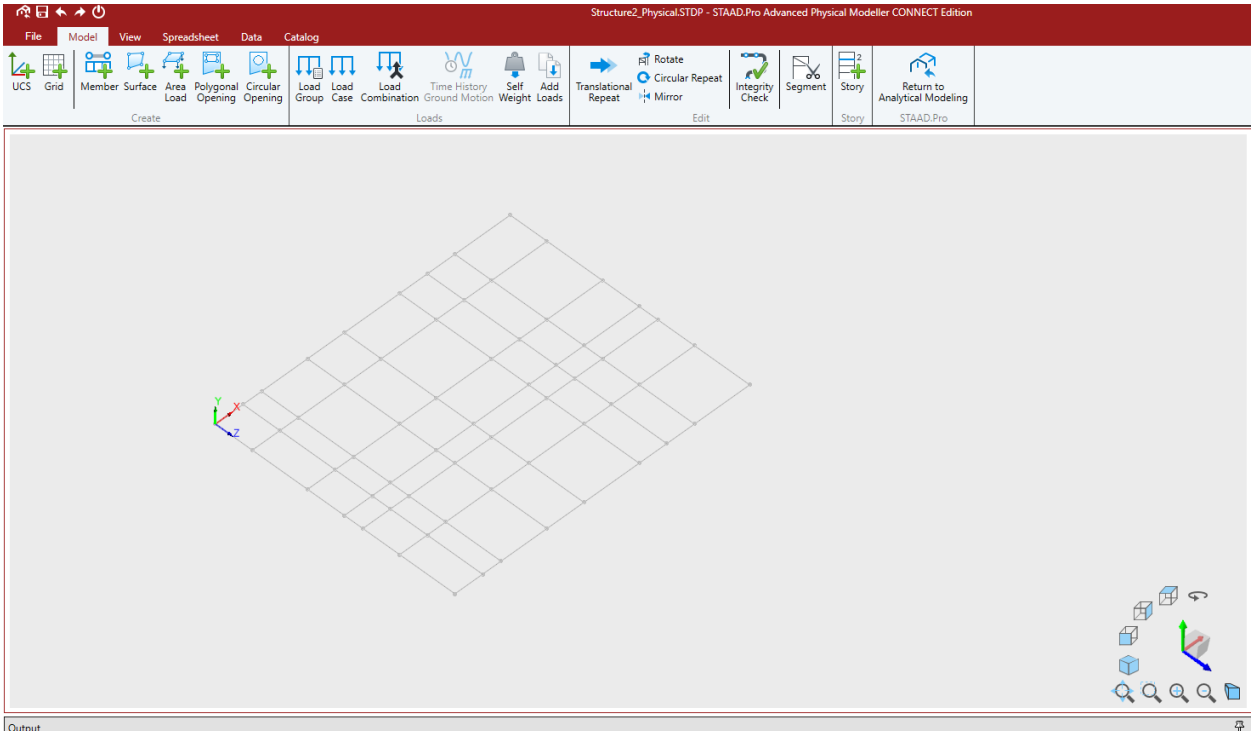


Create a new model in the Physical Modeler, and chose File > ISM > New From Repository and browse to the location of the saved ism.dgn file generated from the Analytical Modeler

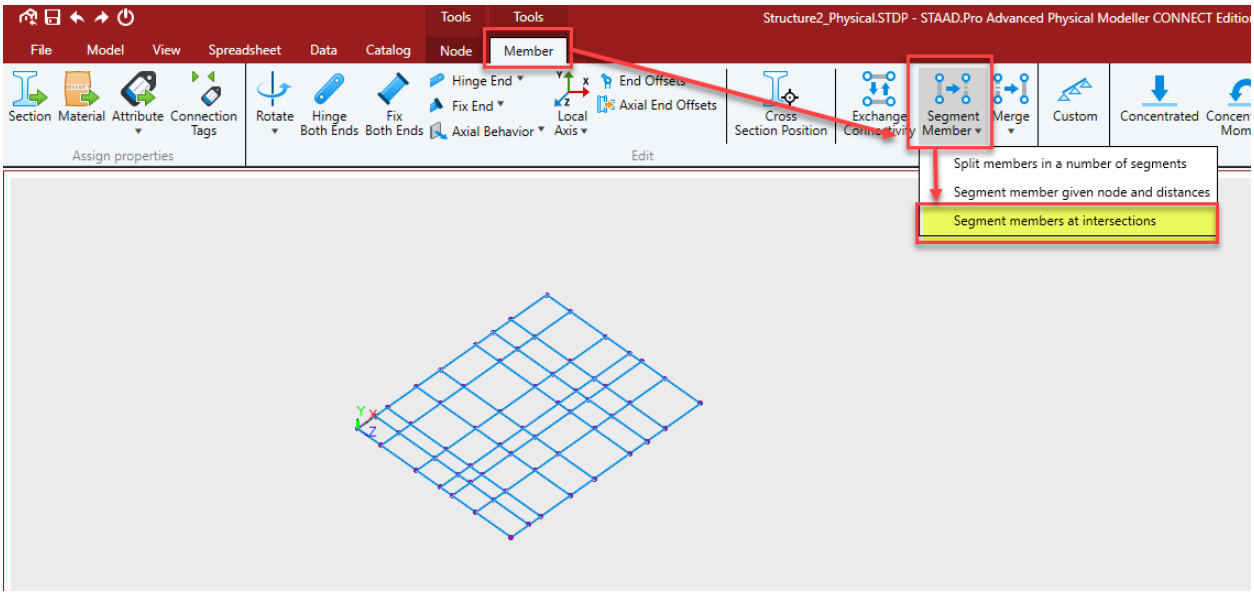


Start the import. The Structural Synchronizer will launch as before and you need to click on the Update button to start the import

At the end of the process you would get the geometry imported into the Physical Modeler.



Although these lines are imported as members within the STAAD.Pro Physical Modeler but you would use these as grids. You may snap to the intersections of the lines as needed to create your geometry in the Physical Modeler. If there are no nodes at some of the intersections, you may get these lines to intersect using the option below



Once you are done with the model, you may delete these imported members