

How to Run the PSCAD Lightning Example using GFortran 4.2

This document provides instructions to set up your environment to compile the Lightning Studies example that comes bundled with the [Lightning Studies Webinar](#) using GFortran 4.2.

1. Setting up the GFortran 4.2 Software

- a. Install GFortran as per this [article](#), and ensure to log out then log back in on your machine.
- b. Test your setup as per this [article](#).
 - o If there are any issues with your setup, please refer to Step 1 of this [article](#) for troubleshooting tips.
 - o If the matter persists, please obtain assistance from our Support Desk as per Step 2 of this [article](#).

2. Downloading the Lightning Example Files

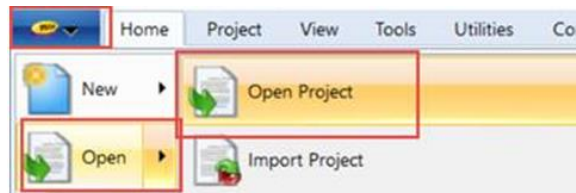
- a. Download the Lightning Example files from this [article](#).
- b. Unzip and save the files to your machine, on a local drive.

Notes

1. Do not save the files to “D” drive.
2. Do not save the files to a network drive.

3. Loading the Lightning example into PSCAD

- a. Launch PSCAD, and load “Lightning_example.pscx”:

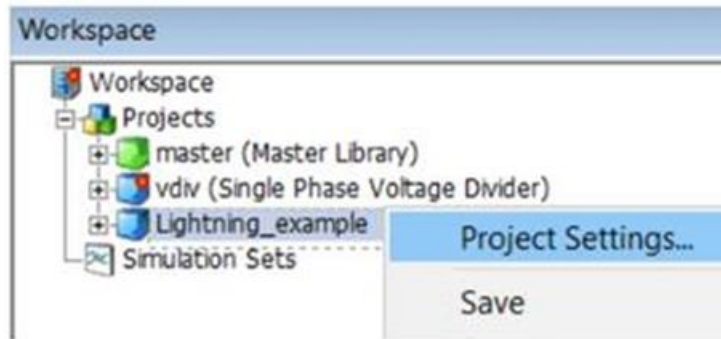


- b. The Lightning_example project will display in the Workspace:

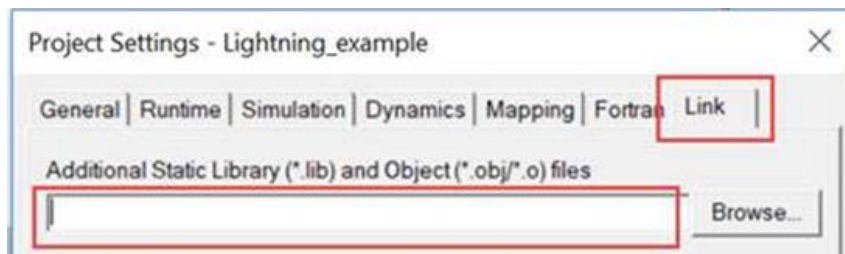


4. Linking the Lightning example object files into PSCAD

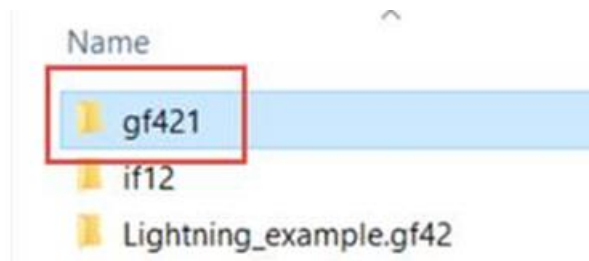
a. Right-click on *Lightning_example*, and select “Project Settings”:



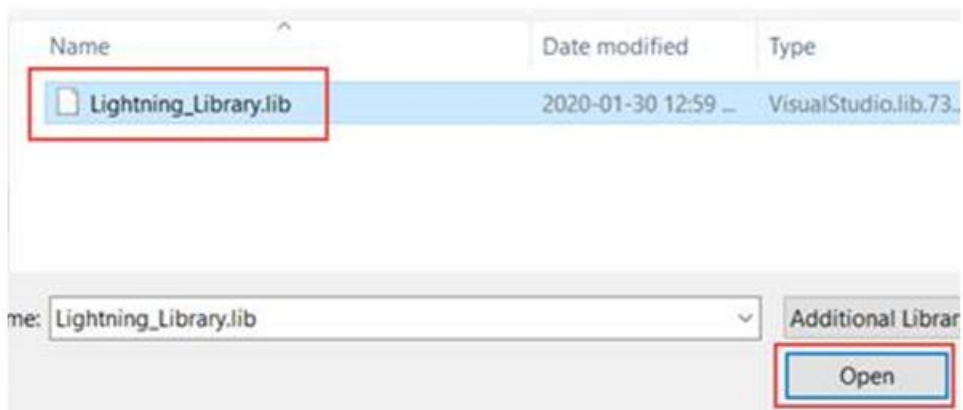
b. Click on the *Link* tab, and delete any text in the field as shown:



c. Select “Browse” in the above view, and when the Windows browser displays the downloaded *Lightning example* folder, open the gf421 folder:



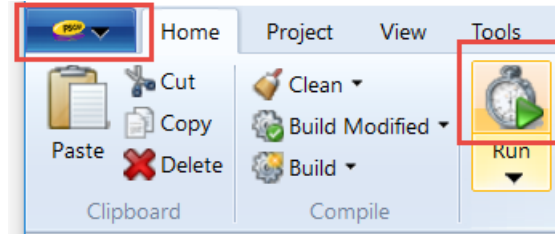
d. Select the *Lightning.Library.lib*, then select Open:



e. Close the Project Settings dialog.

5. Running the Lightning example

a. Run the case:



b. If properly set up, the simulation should run with no errors in the Build Messages pane nor in the Runtime Messages pane.