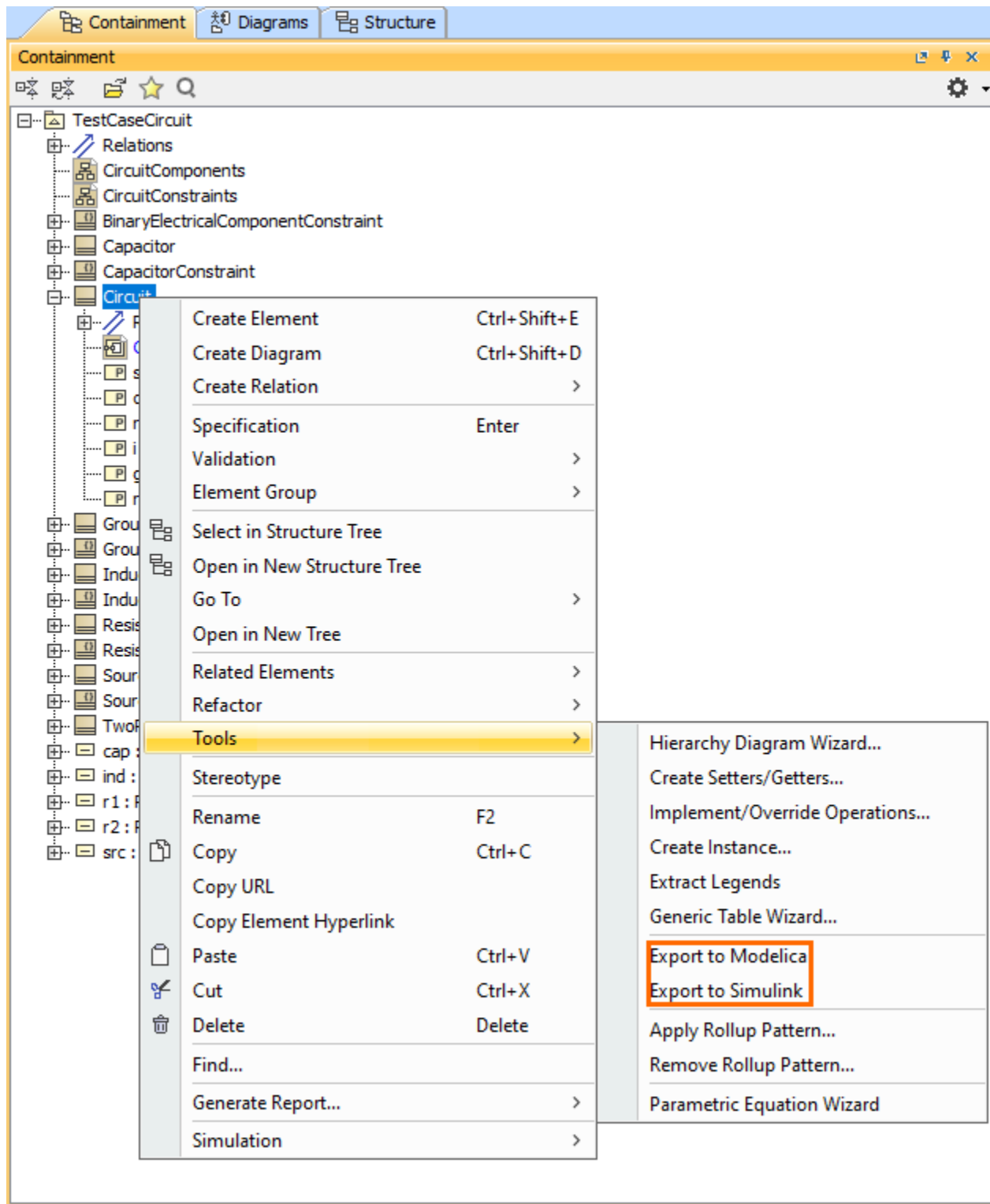


Generating simulation files

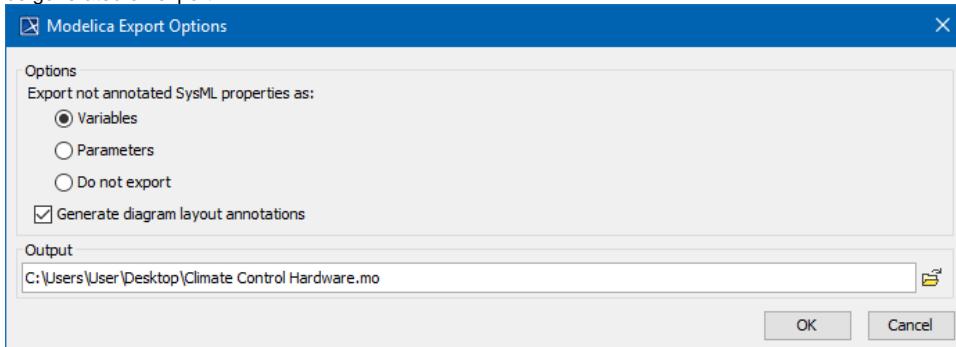
To generate a simulation file, right-click the *Block* corresponding the system being simulated (see the image below). The shortcut menu displays the menu item **Tools** that contains **Export to Modelica** and **Export to Simulink**.



To export to Modelica and Simulink

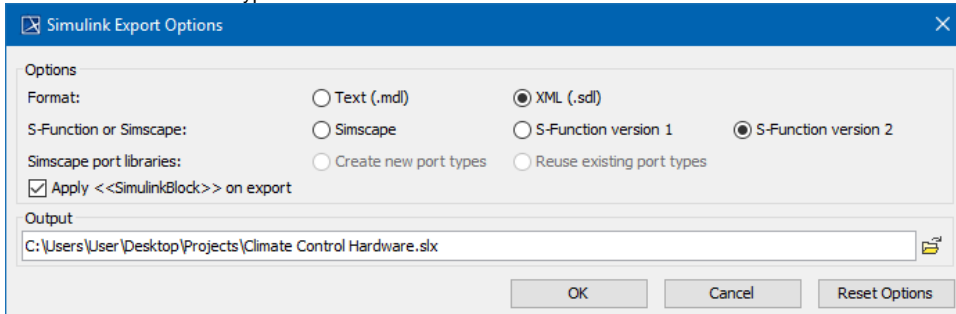
1. Depending on the selected option (either **Export to Modelica** or **Export to Simulink**), do one of the following:

- Specify options such as output directory, how to export unannotated SysML properties, and whether diagram layout annotations should be generated on export.



The dialog box is titled "Modelica Export Options". It contains two main sections: "Options" and "Output". In the "Options" section, there are three radio buttons for "Export not annotated SysML properties as:" with "Variables" selected. There are also two checkboxes: "Parameters" (unchecked) and "Do not export" (unchecked). A checkbox for "Generate diagram layout annotations" is checked. The "Output" section has a text field containing the path "C:\Users\User\Desktop\Climate Control Hardware.mo" and a folder icon button. At the bottom right are "OK" and "Cancel" buttons.

- Specify options such as format, output directory, S-Function or Simscape, Simscape port libraries, and whether to apply the <<SimulinkBlock>> stereotype.



The dialog box is titled "Simulink Export Options". It contains two main sections: "Options" and "Output". In the "Options" section, there are three radio buttons for "Format:" with "XML (.sdl)" selected. There are also two radio buttons for "S-Function or Simscape:" with "S-Function version 2" selected. There are two checkboxes: "Simscape" (unchecked) and "S-Function version 1" (unchecked). A checkbox for "Apply <<SimulinkBlock>> on export" is checked. There are two checkboxes for "Simscape port libraries:" with "Create new port types" (unchecked) and "Reuse existing port types" (unchecked). The "Output" section has a text field containing the path "C:\Users\User\Desktop\Projects\Climate Control Hardware.slx" and a folder icon button. At the bottom right are "OK", "Cancel", and "Reset Options" buttons.

2. Click **OK**.