

Converting Legacy Models (sct)

Since KIELER SCCharts version 0.13 textual SCCharts are no longer written in sct files but in **sctx**. These file extensions allow separation between the two syntaxes, as well as conversion of the legacy models. KIELER still has rudimentary support for this legacy syntax. When opening an sct file the editor and diagram view still work but shows warnings. None of the KIELER features, such as Compilation or Simulation support sct files. However, in the context menu (right click) of an sct file there is an *Convert to SCTx* option to convert the file into the new sctx syntax.

In some cases the produced files still need manual adjustment to match the new syntax.

Known issues:

- References to other SCCharts files are no longer added implicitly. Imports of other SCCharts must be added manually.
- Line comments (*//*) are lost during the conversion. Semantic comments (*/***) will remain.

In general, we advice to convert all sct into sctx. To ease this process the *Convert to SCTx* action can also be invoked on folders, resulting in a conversion of all contained (recursively) sct files.

The screenshot displays the KIELER IDE interface. On the left, the 'abro.sct' file is open in the editor, showing a VHDL-like SCChart definition for 'ABO'. A context menu is open over the file, with the 'Convert to SCTx' option highlighted. The right pane shows the 'Diagram' view, which displays a state machine diagram for 'ABO'. A yellow warning banner at the top of the diagram view reads: 'Legacy SCCharts diagram. You are using a deprecated textual version of SCCharts! This language version (.sct) is no longer supported by the KIELER tool. Please convert the file into the new '.sctx' format by performing the 'Convert into SCTx' action in the file's context menu.' The diagram shows an initial state 'Init' leading to a 'WaitAB' state, which then branches into 'WaitA' and 'WaitB' states, eventually leading to 'DoneA' and 'DoneB' states, and finally to a 'GotAB' state. The bottom pane shows the 'Identity Transformation System' with a diagram element labeled 'Identity'.