

KEITH Release Checklist

This guide should be consulted whenever one adds a major change to KEITH.

This can either be a Theia or Sprotty update, merging with the master (this is hopefully no longer needed in the future), or a major functionality upgrade.

For checking UI elements you should always use a Chrome or Chromium browser.

Check before building a product/merging:

General

- ☐ Does the LS start in socket mode? (stdin/out not possible to check efficiently)
- ☐ Do all supported languages have syntax highlighting?
- ☐ Do language features such as content assist work for the supported languages? (Check at least one from pragmatic and semantic and two from the some language hierarchy)

Views

- ☐ Does the compiler/simulation/diagram/diagram-option/.. view open
- ☐ Are keybindings assigned to open/close each view?
- ☐ Check what happens if all views are initially closed before reload?
- ☐ Is the welcome page visible if you initially open a workspace?

Compiler View

- ☐ Try to compile a model
- ☐ Click on a snapshot and look whether it is displayed in the diagram view
- ☐ Is the progress bar visible during compilation, is there something weird displayed in the progress bar.

Simulation View

- ☐ Simulate a model. Can you step, show input/output, play, pause, stop, ...?
- ☐ Are current states correctly highlighted in the model?
- ☐ Are current states correctly highlighted if a snapshot model is simulated? To check this you have to simulate a model that introduces different states in their snapshot model.
- ☐ Can a simulation be started by clicking the play icon in the "Compile with Netlist-based Simulation (C)" compile chain?

Diagram View

- ☐ Source code highlighting
- ☐ Highlighting of elements
- ☐ In the future: does diagram interaction still work
- ☐ Check collapse/expand
- ☐ Check whether clicking on the label "+" expands it nevertheless
- ☐ Check modifiable styles (test with on-edge labels with direction in SCCharts)
- ☐ ...

Diagram Option View

- ☐ Do all listed diagram options work?

Diagram Interaction

- ☐ Check all directions
- ☐ Check hierarchical graphs
- ☐ Check whether ctrl+z works

- ☐ Check adding layer only constraint
- ☐ Check position only constraint
- ☐ Check deleting constraint
- ☐ Check different shift modi

OS/Browser compatibility

- ☐ Does it run on Linux/Windows/maybe Mac?
- ☐ Does in run in Chrome/Chromium/Chromium in Electron/Firefox/...?