

Worktable Buddy

What problem should be solved?

The official Worktable Editor provides a way to view and edit worktable files. However, practice shows that editing is mainly done in XML editors and the WE is used to check the results of edits. This has been confirmed not only by developers but also system engineers.

Our solution proposes to improve and accelerate this workflow.

Potential benefit for Tecan or customer

Both internal and external (SDK) users of the WE would benefit by a shorter feedback cycle and improved editing and navigation capabilities over a simple XML editor.

Solution Approach

The solution will be composed of two parts: the extended Worktable Editor and a Visual Studio Code extension of the XML editor.

We propose the following individual steps:

- 1.Add live reload to the WE based on watching the file system
- 2.Synchronize selection between the VSCode and WE
- 3.Add navigation capabilities to VSCode (go to definition, etc)
- 4.Add support for autocompletion

We currently estimate that we could achieve two or three of these points during the timeline of Hack-A-Tecan. Achieving the first point alone would already have a considerable positive impact on the current experience.