TRP LABORATORIES

CyFlex® Knowledge Article

Installing the CyFlex Developer Tools Extension

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General Information

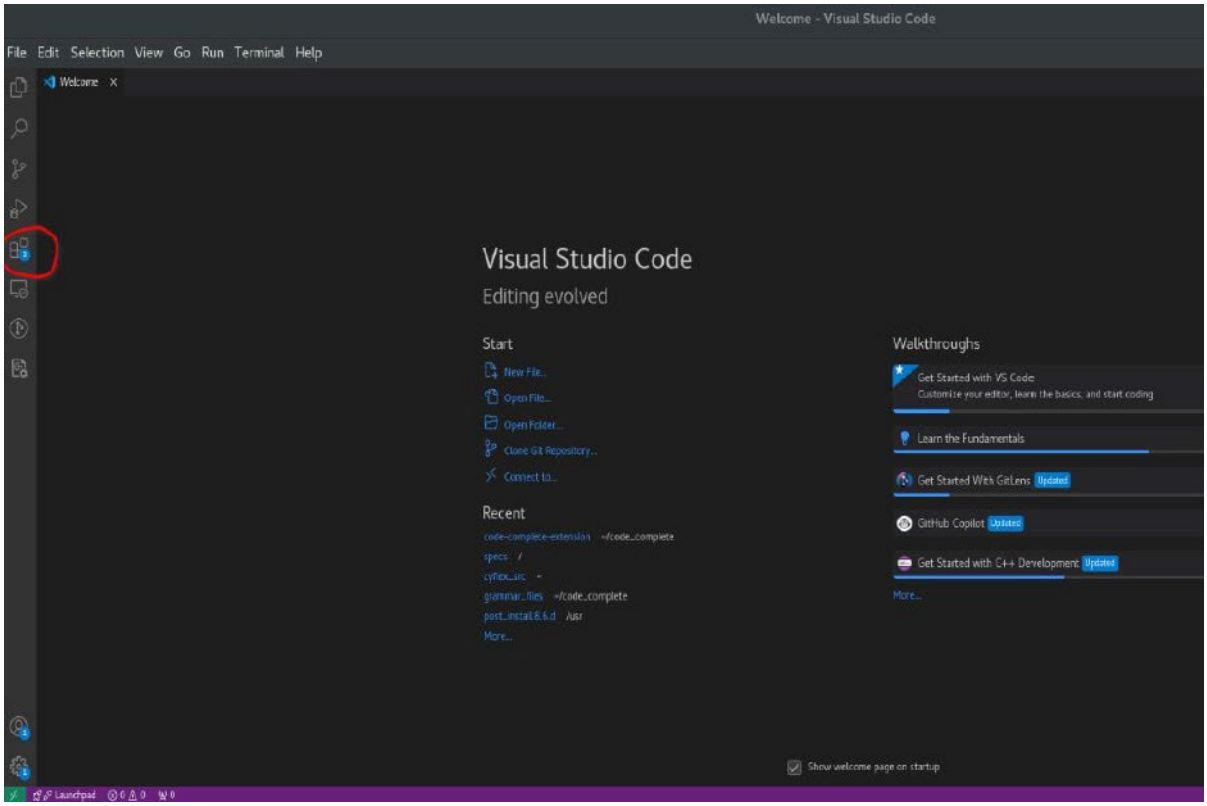
This Cyflex® Knowledge Article describes installation of the `cyflex-developer-tools` extension. This debugging tool helps find problems within a spec file. By highlighting the line where a syntax error is detected, the extension informs the user that there is a problem within the supported spec file. When a syntax error is detected, it is recommended to fix the problems from the beginning of the file to the end. This is because some syntax errors cause multiple errors from one syntax error. When a syntax error is fixed the highlighted line will disappear. Sometimes when a highlighted line disappears another one will appear further down the file. This is due to the parser not knowing how to recover from the previously unresolved syntax error and stopping at that line. Every time the file is changed the file is passed through the grammar file to detect errors in real time. When hovering the cursor over the highlighted line, an error message will appear with what the parser detected as wrong and potential fixes for the error. If the message is not helpful, then the user needs to look around the detected error for context clues as to what should be expected for that location.

Important Note: The extension is not able to detect if the `limit_specs` variable or the referenced variables are found in shared memory as of version 1.0.0. Also, due to `units.dat file` being interchangeable, currently the grammar files only check that the units are in a correct format.

Installing the cyflex-developer-tools Extension

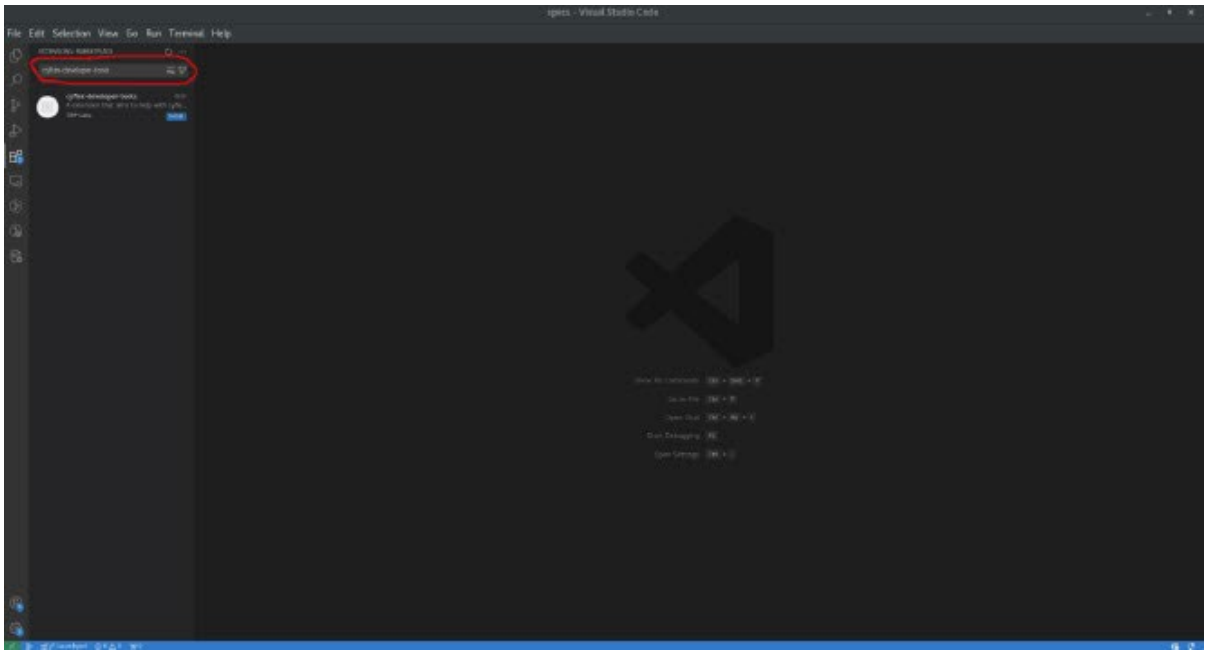
1. Open the Visual Studio Code application.
2. Click the Extensions icon on the resulting screen as in *Figure 1*.

Figure 1: Click Extensions Icon



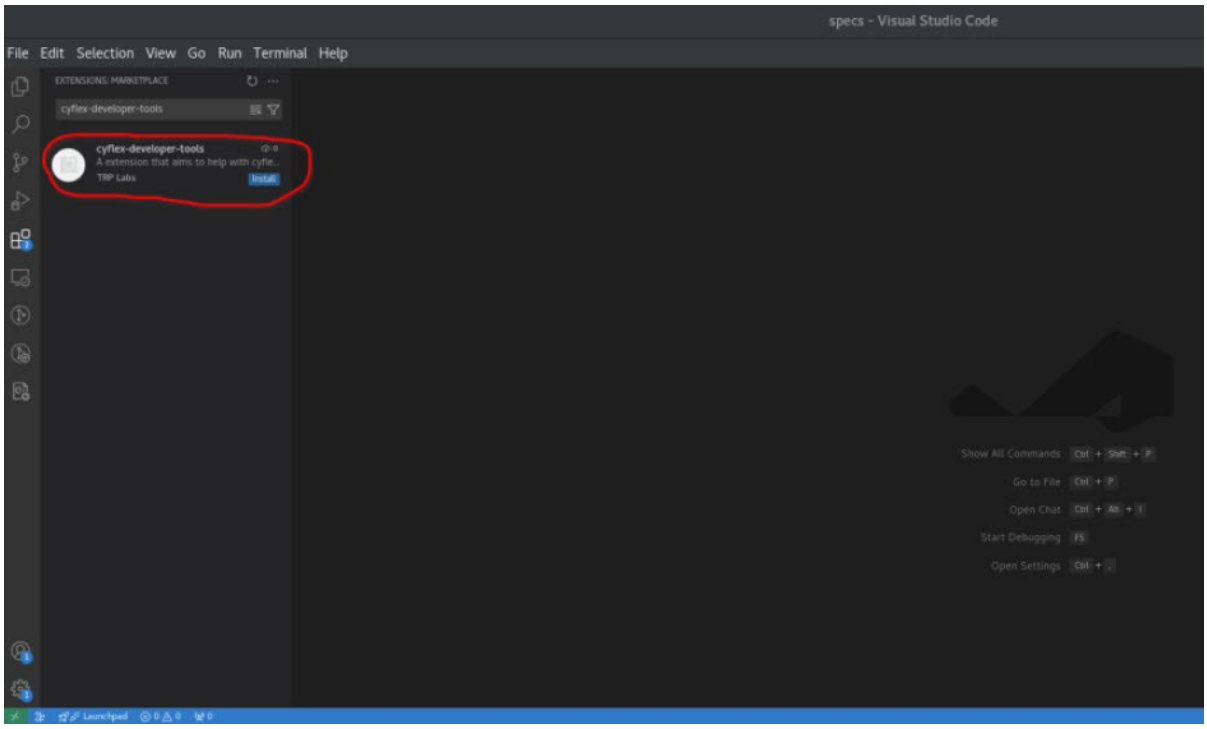
3. Enter `cyflex-developer-tools` in the search box on the resulting screen as in *Figure 2*.

Figure 2: Search Box Entry



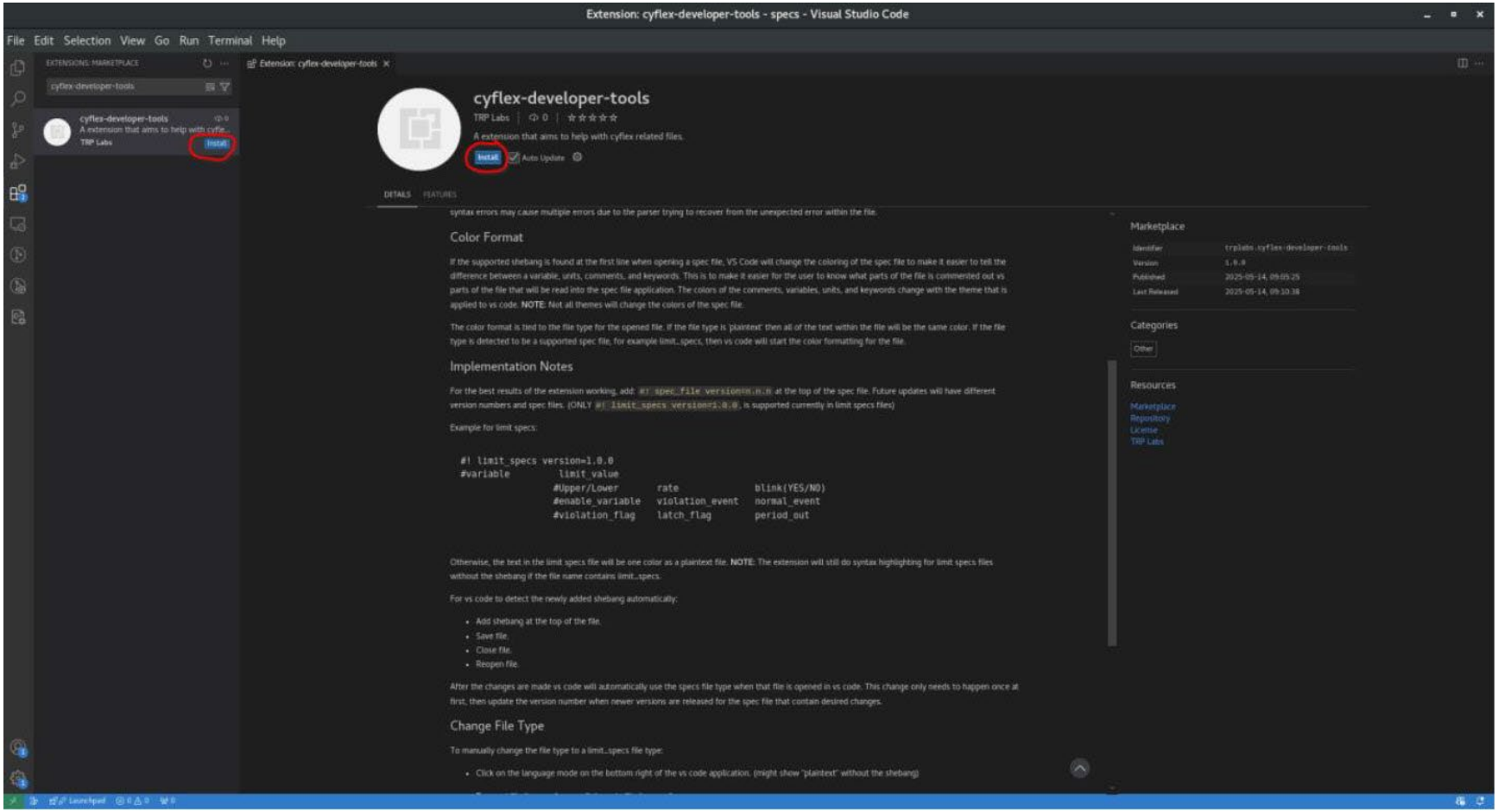
4. Click **cyflex-developer-tools** on the resulting screen as in *Figure 3*.

Figure 3: Click cyflex-developer-tools



5. Click either **Install** button on the resulting screen as in Figure 4.

Figure 4: Install



6. After the installation completes, add: `#! limit_specs version=1.0.0` to the top of the limit specs file. This will enable the Visual Studio Code application to automatically open the file as a `limit_specs` file type.
7. Refer to *Working Extension Examples* on page 6 for examples of the working extension.

Working Extension Examples

Figure 5: Extension Working Example

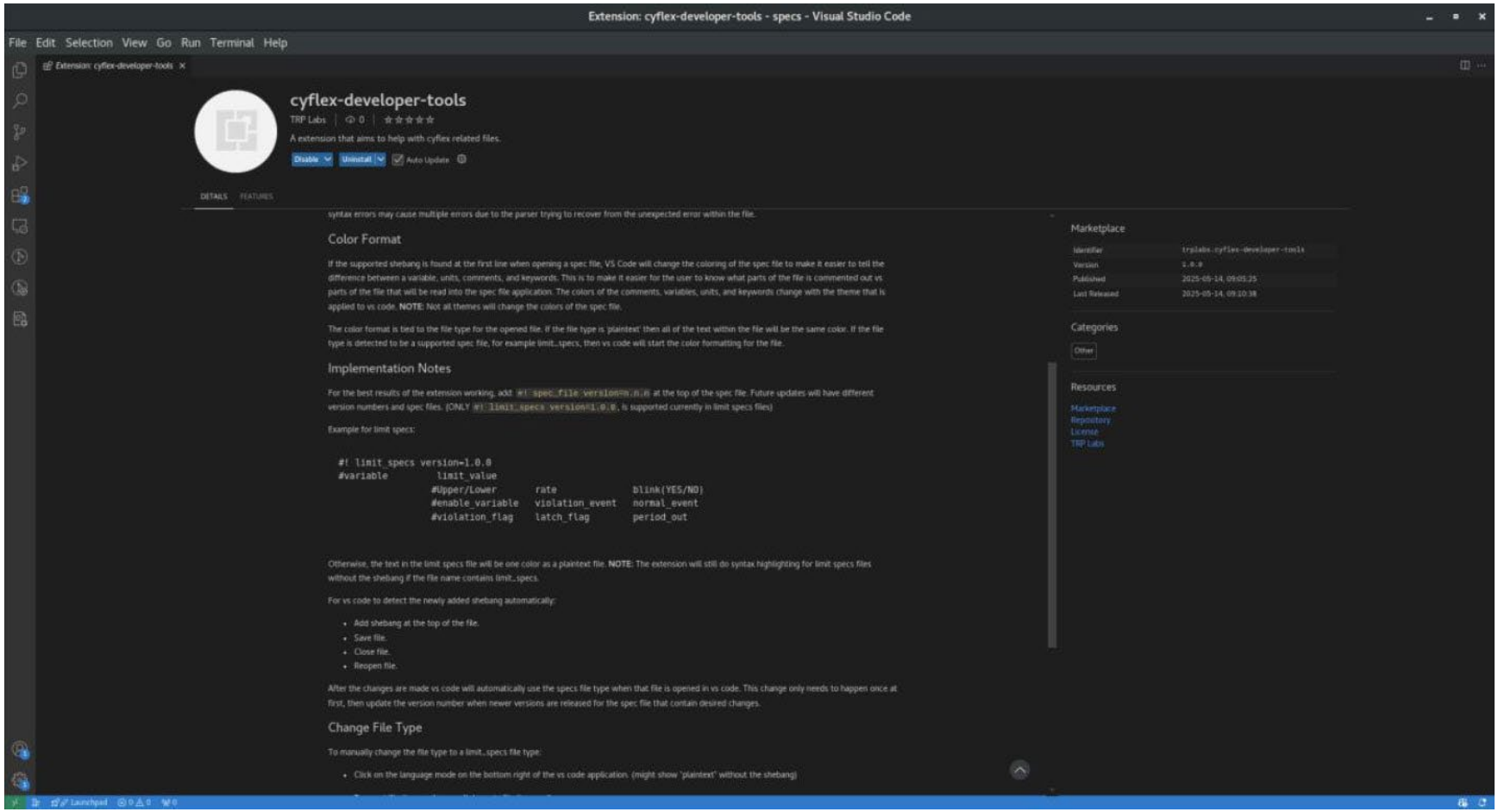


Figure 6: Another Extension Working Example