

Hi,

I've been using CppCheck for a long time, and found it very useful. It is a very popular free static analyzer tool with lots of features and it is easy to integrate.

While its own parser is very good, it also provides an experimental clang AST backend, so it is very flexible.

I am currently integrating it with theIDE, and the integration is very smooth. So I am proposing to add cppcheck support to TheIDE.

My Plan is to make it available to public before U++ 2023 1, in a usable/stable state.

What it requires.

0. CppCheck binary.
1. A single file in TheIDE's codebase (CppCheck.cpp)
2. Detection of CppCheck binary (HasCppCheck() function)
3. A settings pane, in theIDE's settings dialog (will be available only if the binary is detected).
4. Color entries in (Settings/Syntax Highlighting pane) for CppCheck error severity types (style, warning, performance, portability, etc.)

5. It will have the ability to check
 - a) A single file
 - b) A package
 - c) Workspace (all packages)

This will require adding menu and toolbar entries when cppcheck binary is detected.
(Similar to existing "Compile \$FILENAME" or "Build \$PACKAGE" entries -> "Analyze \$PACKAGE")

See the below screenshot for a working version (initial)

I will create a branch (theide_cppcheck) in my fork of upp and make the source code available so others can participate.

What do you think?

Best regards
Oblivion,

File Attachments

1) [Ekran Görüntüsü - 2023-01-22 19-41-52.png](#) , downloaded
815 times
