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Subject: TheIDE and clang-tidy  
Posted by [coolman](#) on Sat, 25 Feb 2023 14:33:54 GMT  
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Hi,

I played around with clang-tidy and tried running it on TheIDE. I'm attaching a configuration file with the checks commented out so that the compilation can be run without warnings. You can find checks description at Clang-Tidy Checks documentation page.

What do you think, are some of them worth looking at and fixing?

BR, Radek

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```
Checks: '-*',  
bugprone-*,  
-bugprone-branch-clone,  
-bugprone-copy-constructor-init,  
-bugprone-easily-swappable-parameters,  
-bugprone-implicit-widening-of-multiplication-result,  
-bugprone-incorrect-roundings,  
-bugprone-integer-division,  
-bugprone-macro-parentheses,  
-bugprone-misplaced-widening-cast,  
-bugprone-move-forwarding-reference,  
-bugprone-narrowing-conversions,  
-bugprone-parent-virtual-call,  
-bugprone-reserved-identifier,  
-bugprone-signed-char-misuse,  
-bugprone-sizeof-expression,  
-bugprone-suspicious-include,  
-bugprone-suspicious-string-compare,  
-bugprone-undefined-memory-manipulation,  
-bugprone-unhandled-self-assignment,  
-bugprone-virtual-near-miss,  
cert-*,  
-cert-dcl37-c,  
-cert-dcl21-cpp,  
-cert-dcl50-cpp,  
-cert-dcl51-cpp,  
-cert-env33-c,  
-cert-err34-c,  
-cert-err09-cpp,  
-cert-err52-cpp,  
-cert-err58-cpp,  
-cert-err61-cpp,
```

- cert-msc30-c,
- cert-msc50-cpp,
- cert-oop54-cpp,
- cert-str34-c,
- clang-analyzer-\*,
- clang-analyzer-cplusplus.NewDeleteLeaks,
- clang-analyzer-core.CallAndMessage,
- clang-analyzer-core.DivideZero,
- clang-analyzer-core.NonNullParamChecker,
- clang-analyzer-core.NullDereference,
- clang-analyzer-core.uninitialized.Assign,
- clang-analyzer-core.uninitialized.Branch,
- clang-analyzer-core.uninitialized.UndefReturn,
- clang-analyzer-core.UndefinedBinaryOperatorResult,
- clang-analyzer-deadcode.DeadStores,
- clang-analyzer-optin.cplusplus.UninitializedObject,
- clang-analyzer-optin.cplusplus.VirtualCall,
- clang-analyzer-optin.performance.Padding,
- clang-analyzer-cplusplus.NewDelete,
- clang-analyzer-cplusplus.PlacementNew,
- clang-analyzer-security.insecureAPI.DeprecatedOrUnsafeBufferHandling,
- clang-analyzer-security.insecureAPI.strcpy,
- clang-diagnostic-\*,
- concurrency-\*,
- concurrency-mt-unsafe,
- cppcoreguidelines-\*,
- cppcoreguidelines-avoid-c-arrays,
- cppcoreguidelines-avoid-goto,
- cppcoreguidelines-avoid-magic-numbers,
- cppcoreguidelines-avoid-non-const-global-variables,
- cppcoreguidelines-c-copy-assignment-signature,
- cppcoreguidelines-explicit-virtual-functions,
- cppcoreguidelines-init-variables,
- cppcoreguidelines-interfaces-global-init,
- cppcoreguidelines-macro-usage,
- cppcoreguidelines-narrowing-conversions,
- cppcoreguidelines-no-malloc,
- cppcoreguidelines-non-private-member-variables-in-classes,
- cppcoreguidelines-owning-memory,
- cppcoreguidelines-prefer-member-initializer,
- cppcoreguidelines-pro-bounds-array-to-pointer-decay,
- cppcoreguidelines-pro-bounds-constant-array-index,
- cppcoreguidelines-pro-bounds-pointer-arithmetic,
- cppcoreguidelines-pro-type-const-cast,
- cppcoreguidelines-pro-type-cstyle-cast,
- cppcoreguidelines-pro-type-member-init,
- cppcoreguidelines-pro-type-reinterpret-cast,
- cppcoreguidelines-pro-type-static-cast-downcast,

-cppcoreguidelines-pro-type-union-access,  
-cppcoreguidelines-pro-type-vararg,  
-cppcoreguidelines-slicing,  
-cppcoreguidelines-special-member-functions,  
misc-\*,  
-misc-definitions-in-headers,  
-misc-no-recursion,  
-misc-non-private-member-variables-in-classes,  
-misc-redundant-expression,  
-misc-throw-by-value-catch-by-reference,  
-misc-unconventional-assign-operator,  
-misc-unused-parameters,  
modernize-\*,  
-modernize-avoid-c-arrays,  
-modernize-deprecated-headers,  
-modernize-loop-convert,  
-modernize-pass-by-value,  
-modernize-raw-string-literal,  
-modernize-redundant-void-arg,  
-modernize-return-braced-init-list,  
-modernize-use-auto,  
-modernize-use-bool-literals,  
-modernize-use-default-member-init,  
-modernize-use-equals-default,  
-modernize-use-equals-delete,  
-modernize-use-nullptr,  
-modernize-use-override,  
-modernize-use-transparent-functors,  
-modernize-use-using,  
-modernize-use-trailing-return-type,  
performance-\*,  
-performance-for-range-copy,  
-performance-no-int-to-ptr,  
-performance-noexcept-move-constructor,  
-performance-unnecessary-copy-initialization,  
-performance-unnecessary-value-param,  
portability-\*,  
-portability-simd-intrinsics,  
-readability-\*,  
-readability-convert-member-functions-to-static,  
-readability-uppercase-literal-suffix,  
-readability-braces-around-statements'  
WarningsAsErrors: "  
HeaderFilterRegex: '.\*\.(h|hpp)\$'  
AnalyzeTemporaryDtors: false  
FormatStyle: none

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