

# Coding Style

## Philosophy

1. If it's inserting something into the existing classes/functions, try to follow the existing style as closely as possible.
2. If it's brand new code or refactoring a complete class or area of the code, please follow as Modern C++ of a style as you can and reference the C++ Core Guidelines as much as you possibly can.

## Formatting

- We use `.clang-format` style file to enable automatic code formatting. You can easily format source files from Visual Studio. For example, `CTRL+K CTRL+D` formats the current document.
- If you prefer another text editor or have ClangFormat disabled in Visual Studio, you could invoke `format_sources` powershell script from command line. It gets a list of all currently modified files from `git` and invokes `clang-format` on them. Please note that you should also have `clang-format.exe` in `%PATH%` for it to work. The script can infer the path of `clang-format.exe` version which is shipped with Visual Studio at `%VCINSTALLDIR%\Tools\Llvm\bin\`, if you launch it from the *Native Tools Command Prompt for VS*.
- CI doesn't enforce code formatting yet, since we're gradually applying code formatting to the codebase, but please adhere to our formatting style for any new code.