

# Clang-tidy and Clang-format

*Thursday, August 27, 2020 9:10 AM (20 minutes)*

Clang is a production C compiler (part of LLVM) that provides APIs for C code parsing, formatting, custom compiler warnings, static analysis, etc. This framework has spawned widely used tools like clang-format and clang-tidy. These tools can be easily tailored for particular codebases like the Linux kernel.

This talk shows how to run clang-format, clang-tidy (including writing custom checks), and scan-build to help everyday Linux kernel development, using the kernel support we landed.

Furthermore, we will seek feedback on how we can incorporate these tools into wider kernel dev/CI workflows, as well as what kinds of static analyses we should seek to develop in the future.

## **I agree to abide by the anti-harassment policy**

I agree

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