

keep contributing

Abdul Rahim

24 July 2024

ways to contribute to the kernel

- ▶ Subscribe to the Linux Kernel mailing list for the area of your interest.
- ▶ Follow the development activity reading the Linux Kernel Mailing List Archives.
- ▶ Find spelling errors in kernel messages.
- ▶ Static code analysis error fixing: Static code analysis is the process of detecting errors and flaws in the source code. The Linux kernel

- ▶ Makefile can be invoked with options to enable to run the Sparse source code checker on all source files, or only on the re-compiled files.
 - ▶ Compile the kernel with the source code checker enabled and find errors and fix as needed.
- ▶ Fix the Syzbot null pointer dereference and WARN bug reports which include the reproducer to analyze.
 - ▶ Run the reproducer to see if you can reproduce the problem.
 - ▶ Look at the crash report and walk through sources for a possible cause. You might be able to fix problems.

- ▶ Look for opportunities to add/update `.gitignore` files for tools and Kselftest. Build tools and Kselftest and run `git status`. **If there are binaries**, then it is time to add a new `.gitignore` file and/or an entry to an existing `.gitignore` file.
- ▶ Run mainline kernels built with the `CONFIG_KASAN`, Locking debug options mentioned earlier in the debugging section, and report problems if you see any. This gives you an opportunity to debug and fix problems. The community welcomes fixes and bug reports