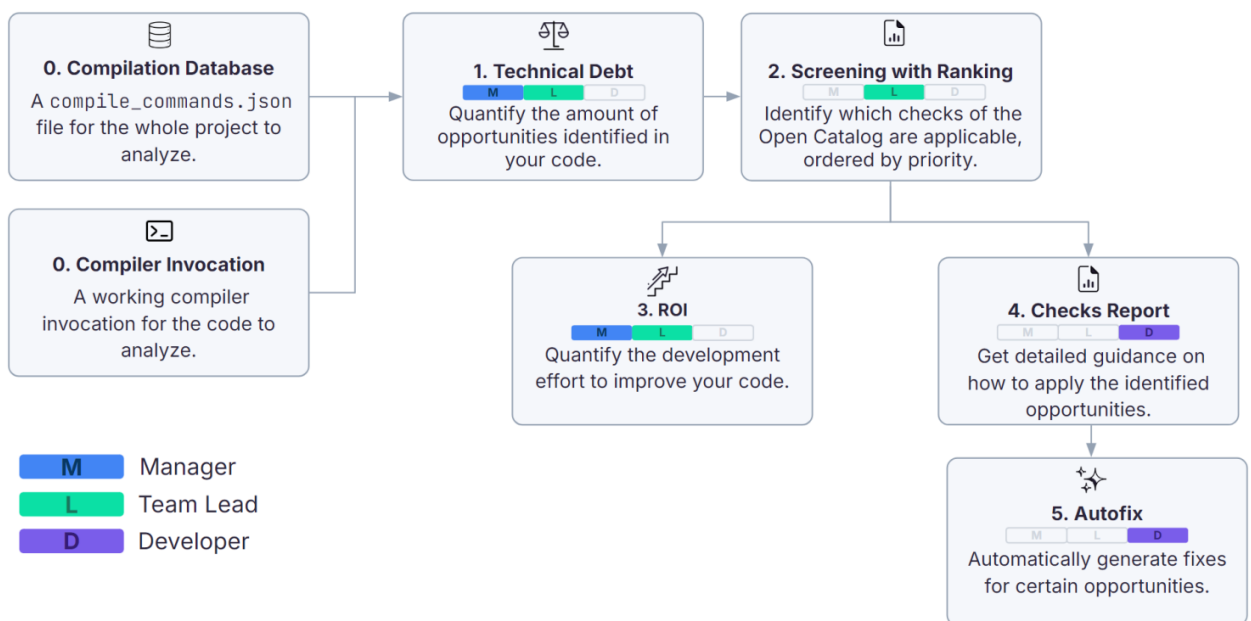# Release Codee 2024.3

Verifysoft Technology GmbH, September 3, 2024

We are excited to announce the release of Codee 2024.3, the latest version of the advanced static code analyzer. Designed to empower Fortran, C, and C++ developers, this update brings cutting-edge features and enhancements, enabling the creation of high-performance, industry-standard software.

What's New in Codee 2024.3:

Basic Codee Workflow:

Featuring significant enhancements in technical-debt analysis, code screening, ROI calculation, and compliance checks to improve your overall development workflow.

New Fortran Modernization Checkers:

Several new checkers are available to assist in modernizing Fortran code, including PWR003, PWR007, PWR008, PWR063, PWR068, PWR069, PWR070, PWR071, PWR072, and PWR073.

Simplified CLI for Compiler Invocations:

A more intuitive command-line interface simplifies the integration process with various compilers.

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Bundled Fortran Modules:

Essential Fortran modules such as MPI, NetCDF, HDF5, and OpenACC are now included, ensuring seamless development workflows.

Enhanced Source File Dependency Manager:

Improved management of dependencies within Fortran modules reduces build issues and enhances development efficiency.

New Autofix Features:

- PWR007 (implicit none): Automatically applies this directive to modernize code.
- PWR008 (intent): Automates intent specification to streamline code updates.
- PWR055/PWR056: Provides compiler-specific autofixes for GNU, Cray, and Nvidia compilers.

LLVM/Flang 19 Upgrade:

Upgraded to the LLVM/Flang 19 (19.1.0-rc1) front-end, offering enhanced robustness and stability for Fortran projects.

Expanded Compiler Support:

Now supporting a wider range of compilers, including GNU, LLVM, Cray, Intel (Classic ifort), and Nvidia, to provide greater flexibility in development environments.

Visit our website for more information:

https://www.verifysoft.com/en_codee.html

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