SEI CERT Coding Standards

Account disable announcement

As of Friday, September 8, 2023, the SEI Secure Coding Wiki no longer provides the ability to sign up for new user accounts. In addition, all accounts that have not made contributions (e.g., comments, edits) to a space or page content will be disabled (accounts that have had recent activity will not be disabled).

If you have a specific need to keep your account active, or you feel your account has been disabled in error, please submit a message.

Access to view pages will remain for the public users without an account.

Active Account Requirements

- Actively contributing content to the wiki (e.g., page edits, comments)
- Demonstrated on-going need to access information contained within the external wiki

Welcome

This site supports the development of coding standards for commonly used programming languages such as C, C++, Java, and Perl, and the Android™ platform. These standards are developed through a broad-based community effort by members of the software development and software security communities.

For more information about this project and to see tips on how to contribute, please see the Development Guidelines.

Downloads

- The SEI CERT C Coding Standard, 2016 Edition (errata)
- The SEI CERT C++ Coding Standard, 2016 Edition (errata)

Standards Development Area

The following development areas enable you to learn about and contribute to secure coding standards for commonly used programming languages C, C++, Java, and Perl. Contact us to comment on existing items, submit recommendations, or request privileges to directly edit content on this site.

- SEI CERT C Coding Standard
- SEI CERT C++ Coding Standard
- Android™ Secure Coding Standard

News

April 2020: Open Dataset RC_Data for Classifier Research

December 2018: Lori Flynn and Ebonie McNeil authored the SEI Blog post "SCALe v. 3: Automated Classification and Advanced Prioritization of Static Analysis Alerts".

November 2018: Lori Flynn presented a webinar "Improve Your Static Analysis Audits Using CERT SCALe's New Features".


October 2018: Will Klieber presented "Detecting Leaks of Sensitive Data due to Stale Reads at IEEE SecDev 2018".

September 2018: The CERT manifest files are now available for use by static analysis tool developers to test their coverage of (some of the) CERT Secure Coding Rules for C, using many of 61,387 test cases in the Juliet test suite v1.2.


August 2018: SCALe has been released open-source as a new project on GitHub. This is the first time that SCALe has been released to the public. This initial release is SCALe 2.1.4.0.
The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

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