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mre / **awesome-static-analysis**

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A curated list of static analysis tools, linters and code quality checkers for various programming languages

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mre Add SwiftFormat Latest commit 515f3f8 12 days ago

CONTRIBUTING.md	Add note about tool categories	3 months ago

README.md	Add SwiftFormat	12 days ago
awesome.png	Add new logo and update README (#63)	a year ago
awesome.svg	Add new logo and update README (#63)	a year ago

README.md

Awesome Static Analysis!

> Static program analysis is the analysis of computer software that is performed without actually executing programs — Wikipedia

This is a collection of static analysis tools and code quality checkers. Pull requests are very welcome!
Note: © stands for proprietary software. All other tools are Open Source.

Table of Contents

Programming Languages

Ada

- Codepeer - detects run-time and logic errors
- Polyspace for Ada © - provide code verification that proves the absence of overflow, divide-by-zero, out-of-bounds array access, and certain other run-time errors in source code.
- Understand © - IDE that provides code analysis, standards testing, metrics, graphing, dependency analysis and more for Ada and VHDL.

Awk

- gawk --lint - warns about constructs that are dubious or nonportable to other awk implementations.

C/C++

- clang-tidy - clang static analyser
- CMetrics - Measures size and complexity for C files
- CodeSonar from GrammaTech © - Advanced, whole program, deep path, static analysis of C and C++ with easy-to-understand explanations and code and path visualization.
- Corrode - Semi-automatic translation from C to Rust. Could reveal bugs in the original implementation by showing Rust compiler warnings and errors.
- cppcheck - static analysis of C/C++ code
- CppDepend © - Measure, query and visualize your code and avoid unexpected issues, technical debt and complexity.
- cpplint - automated C++ checker that follows Google's style guide

- cqmetrics - quality metrics for C code
- CScout - complexity and quality metrics for for C and C preprocessor code
- flawfinder - finds possible security weaknesses
- flint++ - cross-platform, zero-dependency port of flint, a lint program for C++ developed and used at Facebook.
- Frama-C - a sound and extensible static analyzer for C code
- oclint - static analysis of C/C++ code
- Polyspace Bug Finder © - identifies run-time errors, concurrency issues, security vulnerabilities, and other defects in C and C++ embedded software.
- Polyspace Code Prover © - provide code verification that proves the absence of overflow, divide-by-zero, out-of-bounds array access, and certain other run-time errors in C and C++ source code.
- scan-build - Analyzes C/C++ code using LLVM at compile-time
- splint - Annotation-assisted static program checker
- tis-interpreter - An interpreter for finding subtle bugs in programs written in standard C
- vera++ - Vera++ is a programmable tool for verification, analysis and transformation of C++ source code.

C#

- .NET Analyzers - An organization for the development of analyzers (diagnostics and code fixes) using the .NET Compiler Platform.
- Code Analysis Rule Collection - Contains a set of diagnostics, code fixes and refactorings built on the Microsoft .NET Compiler Platform "Roslyn".
- code-cracker - An analyzer library for C# and VB that uses Roslyn to produce refactorings, code analysis, and other niceties.
- CodeRush © - Code creation, debugging, navigation, refactoring, analysis and visualization tools that use the Roslyn engine in Visual Studio 2015 and up.

- CSharpEssentials - C# Essentials is a collection of Roslyn diagnostic analyzers, code fixes and refactorings that make it easy to work with C# 6 language features.
- Designite © - Designite is a software design quality assessment tool. It supports detection of implementation and design smells, computation of various code quality metrics, and trend analysis.
- Gendarme - Gendarme inspects programs and libraries that contain code in ECMA CIL format (Mono and .NET).
- NDepend © - Measure, query and visualize your code and avoid unexpected issues, technical debt and complexity.
- Puma Scan - Puma Scan provides real time secure code analysis for common vulnerabilities (XSS, SQLi, CSRF, LDAPi, crypto, deserialization, etc.) as development teams write code in Visual Studio.
- Refactoring Essentials - The free Visual Studio 2015 extension for C# and VB.NET refactorings, including code best practice analyzers.
- ReSharper © - Extends Visual Studio with on-the-fly code inspections for C#, VB.NET, ASP.NET, JavaScript, TypeScript and other technologies.
- Roslyn Security Guard - Project that focus on the identification of potential vulnerabilities such as SQL injection, cross-site scripting (XSS), CSRF, cryptography weaknesses, hardcoded passwords and many more.
- Roslynator - A collection of 190+ analyzers and 190+ refactorings for C#, powered by Roslyn.
- Security Code Scan - Security code analyzer for C# and VB.NET. Detects various security vulnerability patterns: SQLi, XSS, CSRF, XXE, Open Redirect, etc.
- SonarLint for Visual Studio - SonarLint is an extension for Visual Studio 2015 and 2017 that provides on-the-fly feedback to developers on new bugs and quality issues injected into .NET code.
- VSDiagnostics - A collection of static analyzers based on Roslyn that integrate with VS.
- Wintellect.Analyzers - .NET Compiler Platform ("Roslyn") diagnostic analyzers and code fixes.

Crystal

- ameba - A static code analysis tool for Crystal

- crystal - The Crystal compiler has built-in linting functionality.

Dlang

- D-scanner - D-Scanner is a tool for analyzing D source code

Elixir

- credo - A static code analysis tool with a focus on code consistency and teaching.
- Dogma - A code style enforcer for Elixir
- sobelow - Security-focused static analysis for the Phoenix Framework

Erlang

- elvis - Erlang Style Reviewer

Fortran

- i-Code CNES - A static code analysis tool for Fortran 77, Fortran 90 and Shell.

Go

- deadcode - Finds unused code.
- dingo-hunter - Static analyser for finding deadlocks in Go.
- dupl - Reports potentially duplicated code.
- errcheck - Check that error return values are used.

- flen - Get info on length of functions in a Go package.
- gas - Inspects source code for security problems by scanning the Go AST.
- Go Meta Linter - Concurrently run Go lint tools and normalise their output.
- go tool vet --shadow - Reports variables that may have been unintentionally shadowed.
- go vet - Examines Go source code and reports suspicious.
- go-staticcheck - go vet on steroids, similar to ReSharper for C#.
- go/ast - Package ast declares the types used to represent syntax trees for Go packages.
- goconst - Finds repeated strings that could be replaced by a constant.
- gocyclo - Calculate cyclomatic complexities of functions in Go source code.
- gofmt -s - Checks if the code is properly formatted and could not be further simplified.
- goimports - Checks missing or unreferenced package imports.
- golint - Prints out coding style mistakes in Go source code.
- goreporter - concurrently runs many linters and normalises their output to a report.
- goroutine-inspect - An interactive tool to analyze Golang goroutine dump.
- gosimple - Report simplifications in code.
- gotype - Syntactic and semantic analysis similar to the Go compiler.
- ineffassign - Detect ineffectual assignments in Go code
- interfacer - Suggest narrower interfaces that can be used.
- lll - Report long lines.
- maligned - Detect structs that would take less memory if their fields were sorted.
- megacheck - Run staticcheck, gosimple and unused, sharing work.
- misspell - Finds commonly misspelled English words.
- nakedret - Finds naked returns.
- prealloc - Finds slice declarations that could potentially be preallocated.

- safesql - Static analysis tool for Golang that protects against SQL injections.
- structcheck - Find unused struct fields.
- test - Show location of test failures from the stdlib testing module.
- testify - Show location of failed testify assertions.
- unconvert - Detect redundant type conversions.
- unimport - Finds unnecessary import aliases
- unparam - Find unused function parameters.
- unused - Find unused variables.
- varcheck - Find unused global variables and constants.

Groovy

- CodeNarc - a static analysis tool for Groovy source code, enabling monitoring and enforcement of many coding standards and best practices

Haskell

- HLint - HLint is a tool for suggesting possible improvements to Haskell code.

Haxe

- Haxe Checkstyle - A static analysis tool to help developers write Haxe code that adheres to a coding standard.

Java

- Checker Framework - Pluggable type-checking for Java http://checkerframework.org/
- checkstyle - checking Java source code for adherence to a Code Standard or set of validation rules (best practices)
- ckjm - calculates Chidamber and Kemerer object-oriented metrics by processing the bytecode of compiled Java files
- Error-prone - Catch common Java mistakes as compile-time errors
- fb-contrib - A plugin for FindBugs with additional bug detectors
- Find Security Bugs - IDE/SonarQube plugin for security audits of Java web applications.
- Hopper - A static analysis tool written in scala for languages that run on JVM
- HuntBugs - Bytecode static analyzer tool based on Procyon Compiler Tools aimed to supersede FindBugs.
- JArchitect © - Measure, query and visualize your code and avoid unexpected issues, technical debt and complexity.
- NullAway - Type-based null-pointer checker with low build-time overhead; an Error Prone plugin
- OWASP Dependency Check - Checks dependencies for known, publicly disclosed, vulnerabilities.
- Spoon - Library to write your own static analyses and architectural rule checkers for Java. Can be integrated in Maven and Gradle.
- SpotBugs - SpotBugs is FindBugs' successor. A tool for static analysis to look for bugs in Java code.

JavaScript

- aether - Lint, analyze, normalize, transform, sandbox, run, step through, and visualize user JavaScript, in node or the browser.
- ClosureLinter - ensures that all of your project's JavaScript code follows the guidelines in the Google JavaScript Style Guide. It can also automatically fix many common errors
- coffeelint - A style checker that helps keep CoffeeScript code clean and consistent.
- complexity-report - Software complexity analysis for JavaScript projects
- DeepScan © - An analyzer for JavaScript which targets runtime errors and quality issues rather than coding conventions.

- escomplex - Software complexity analysis of JavaScript-family abstract syntax trees.
- eslint - A fully pluggable tool for identifying and reporting on patterns in JavaScript
- Esprima - ECMAScript parsing infrastructure for multipurpose analysis
- flow - A static type checker for JavaScript.
- jshint - detect errors and potential problems in JavaScript code and enforce your team's coding conventions
- JSLint © - The JavaScript Code Quality Tool
- JSPrime - static security analysis tool
- NodeJSScan - NodeJsScan is a static security code scanner for Node.js applications.
- plato - Visualize JavaScript source complexity
- Prettier - An opinionated code formatter.
- quality - zero configuration code and module linting
- standard - An npm module that checks for Javascript Styleguide issues
- XO - Enforce strict code style. Never discuss code style on a pull request again!
- yardstick - Javascript code metrics

Kotlin

- detekt - Static code analysis for Kotlin code.
- ktlint - An anti-bikeshedding Kotlin linter with built-in formatter

Lua

- luacheck - A tool for linting and static analysis of Lua code.

MATLAB

- mlint Ⓒ - Check MATLAB code files for possible problems.

Perl

- Perl::Critic - Critique Perl source code for best-practices.

PHP

- dephpend - Dependency analysis tool
- deprecation-detector - Finds usages of deprecated (Symfony) code
- deptrac - Enforce rules for dependencies between software layers.
- DesignPatternDetector - detection of design patterns in PHP code
- EasyCodingStandard - combine PHP_CodeSniffer and PHP-CS-Fixer
- exakat - An automated code reviewing engine for PHP
- GrumPHP - checks code on every commit
- Mondrian - a set of static analysis and refactoring tools which use graph theory
- parallel-lint - This tool checks syntax of PHP files faster than serial check with a fancier output.
- Parse - A Static Security Scanner
- pdepend - Calculates software metrics like cyclomatic complexity for PHP code.
- phan - a modern static analyzer from etsy
- PHP Assumptions - Checks for weak assumptions
- PHP Coding Standards Fixer - Fixes your code according to standards like PSR-1, PSR-2, and the Symfony standard.
- Php Inspections (EA Extended) - A Static Code Analyzer for PHP.
- PHP Refactoring Browser - Refactoring helper

- PHP Semantic Versioning Checker - Suggests a next version according to semantic versioning
- PHP-Parser - A PHP parser written in PHP
- PHP-Token-Reflection - Library emulating the PHP internal reflection
- php7cc - PHP 7 Compatibility Checker
- php7mar - assist developers in porting their code quickly to PHP 7
- PHP_CodeSniffer - detects violations of a defined set of coding standards
- phpca - Finds usage of non-built-in extensions
- phpcf - Finds usage of deprecated PHP features
- phpcpd - Copy/Paste Detector for PHP code.
- phpdcd - Dead Code Detector (DCD) for PHP code.
- PhpDependencyAnalysis - builds a dependency graph for a project
- phpdoc-to-typehint - Add scalar type hints and return types to existing PHP projects using PHPDoc annotations
- phpDocumentor - Analyzes PHP source code to generate documentation
- PHPMD - finds possible bugs in your code
- PhpMetrics - Calculates and visualizes various code quality metrics
- phpmnd - Helps to detect magic numbers
- PHPQA - A tool for running QA tools (phploc, phpcpd, phpcs, pdepend, phpmd, phpmetrics)
- phpqa - jakzal - Many tools for PHP static analysis in one container
- phpqa - jmolivas - PHPQA all-in-one Analyzer CLI tool
- phpsa - Static analysis tool for PHP.
- PHPStan - PHP Static Analysis Tool - discover bugs in your code without running it!
- Progpilot - A static analysis tool for security purposes
- Psalm - Static analysis tool for finding type errors in PHP applications
- Qafoo Quality Analyzer - Visualizes metrics and source code

- RIPS - A static source code analyser for vulnerabilities in PHP scripts
- Tuli - A static analysis engine
- twig-lint - twig-lint is a lint tool for your twig files.
- WAP - Tool to detect and correct input validation vulnerabilities in PHP (4.0 or higher) web applications and predicts false positives by combining static analysis and data mining.

Python

- bandit - a tool to find common security issues in Python code
- jedi - autocompletion/static analysis library for Python
- linty fresh - parse lint errors and report them to Github as comments on a pull request
- mccabe - check McCabe complexity
- mypy - an experimental optional static type checker for Python that aims to combine the benefits of dynamic (or "duck") typing and static typing, frequently used with MonkeyType
- py-find-injection - find SQL injection vulnerabilities in Python code
- pycodestyle - (formerly `pep8`) check Python code against some of the style conventions in PEP 8
- pydocstyle - check compliance with Python docstring conventions
- pyflakes - check Python source files for errors
- pylint - looks for programming errors, helps enforcing a coding standard and sniffs for some code smells. It additionally includes `pyreverse` (an UML diagram generator) and `symilar` (a similarities checker).
- pyroma - rate how well a Python project complies with the best practices of the Python packaging ecosystem, and list issues that could be improved
- PyT - Python Taint - A static analysis tool for detecting security vulnerabilities in Python web applications.
- vulture - find unused classes, functions and variables in Python code
- xenon - monitor code complexity using `radon`

Python wrappers

- ciocheck - linter, formatter and test suite helper. As a linter, it is a wrapper around `pep8` , `pydocstyle` , `flake8` , and `pylint` .
- flake8 - a wrapper around `pyflakes` , `pycodestyle` and `mccabe`
- prospector - a wrapper around `pylint` , `pep8` , `mccabe` and others

R

- lintr © - Static Code Analysis for R

Ruby

- brakeman - A static analysis security vulnerability scanner for Ruby on Rails applications
- cane - Code quality threshold checking as part of your build
- dawnscanner - a static analysis security scanner for ruby written web applications. It supports Sinatra, Padrino and Ruby on Rails frameworks.
- flay - Flay analyzes code for structural similarities.
- flog - Flog reports the most tortured code in an easy to read pain report. The higher the score, the more pain the code is in.
- laser - Static analysis and style linter for Ruby code.
- pelusa - Static analysis Lint-type tool to improve your OO Ruby code
- quality - Runs quality checks on your code using community tools, and makes sure your numbers don't get any worse over time.
- reek - Code smell detector for Ruby

- rubocop - A Ruby static code analyzer, based on the community Ruby style guide.
- Rubrowser - Ruby classes interactive dependency graph generator.
- ruby-lint - Static code analysis for Ruby
- rubycritic - A Ruby code quality reporter
- SandiMeter - Static analysis tool for checking Ruby code for Sandi Metz' rules.

Rust

- clippy - a code linter to catch common mistakes and improve your Rust code
- electrolysis - A tool for formally verifying Rust programs by transpiling them into definitions in the Lean theorem prover.
- herbie - Adds warnings or errors to your crate when using a numerically unstable floating point expression.
- linter-rust - Linting your Rust-files in Atom, using rustc and cargo
- Rust Language Server - Supports functionality such as 'goto definition', symbol search, reformatting, and code completion, and enables renaming and refactorings.
- rustfix - read and apply the suggestions made by rustc (and third-party lints, like those offered by clippy).

Scala

- linter - Linter is a Scala static analysis compiler plugin which adds compile-time checks for various possible bugs, inefficiencies, and style problems.
- Scalastyle - Scalastyle examines your Scala code and indicates potential problems with it.
- scapegoat - Scala compiler plugin for static code analysis
- WartRemover - a flexible Scala code linting tool.

Shell

- shellcheck - ShellCheck, a static analysis tool that gives warnings and suggestions for bash/sh shell scripts

Solidity

- solium - Solium is a linter to identify and fix style and security issues in Solidity smart contracts

SQL

- sqlcheck - Automatically identify anti-patterns in SQL queries
- sqlint - Simple SQL linter

Swift

- SwiftFormat - A library and command-line formatting tool for reformatting Swift code
- SwiftLint - A tool to enforce Swift style and conventions
- Tailor - A static analysis and lint tool for source code written in Apple's Swift programming language.

TypeScript

- Codelyzer - A set of tslint rules for static code analysis of Angular 2 TypeScript projects.
- TSLint - An extensible linter for the TypeScript language.
- tslint-clean-code - A set of TSLint rules inspired by the Clean Code handbook.
- tslint-microsoft-contrib - A set of tslint rules for static code analysis of TypeScript projects maintained by Microsoft.

Multiple languages

- AppChecker © - Static analysis for C/C++/C#, PHP and Java
- Application Inspector © - Combined SAST, DAST, IAST security scanner for C#, PHP, Java, SQL languages
- AppScan © - Commercial Static Code Analysis. Supports: Microsoft .NET Framework (C#, ASP.NET, VB.NET), ASP (JavaScript/VBScript), C/C++, COBOL, ColdFusion, JavaScript, JavaServer Pages (JSP), Java™ (including support for Android APIs), Perl, PHP, PL/SQL, T-SQL, Visual Basic 6
- APPscreener © - Static code analysis for binary and source code - Java/Scala, PHP, Javascript, C#, PL/SQL, Python, T-SQL, C/C++, ObjectiveC/Swift, Visual Basic 6.0, Ruby, Delphi, ABAP, HTML5 and Solidity
- Axivion Bauhaus Suite © - Tracks down error-prone code locations, style violations, cloned or dead code, cyclic dependencies and more for C/C++, C#/.NET, Java and Ada 83/Ada 95
- Checkmarx © - Commercial Static Code Analysis which doesn't require pre-compilation. Supports: Android (Java), Apex and VisualForce, ASP, C#, C/C++, Go, Groovy, HTML5, Java, JavaScript, Node.js, Objective C, Perl, PhoneGap, PHP, Python, Ruby, Scala, Swift, VB.NET, VB6, VBScript
- coala - Language independent framework for creating code analysis - supports over 60 languages by default
- Cobra © - Structural source code analyzer by NASA's Jet Propulsion Laboratory. Supports C, C++, Ada, and Python.
- codeburner - Provides a unified interface to sort and act on the issues it finds
- CodeFactor © - Static Code Analysis for C#, C, C++, CoffeeScript, CSS, Groovy, GO, JAVA, JavaScript, Less, Python, Ruby, Scala, SCSS, TypeScript.
- CodeIt.Right © - CodeIt.Right™ provides a fast, automated way to ensure that your source code adheres to (your) predefined design and style guidelines as well as best coding practices. Supported languages: C#, VB.NET.
- cqc - Check your code quality for js, jsx, vue, css, less, scss, sass and styl files.
- DevSkim - Regex-based static analysis tool for Visual Studio, VS Code, and Sublime Text - C/C++, C#, PHP, ASP, Python, Ruby, Java, and others.
- Fortify © A commercial static analysis platform that supports the scanning of C/C++, C#, VB.NET, VB6, ABAP/BSP, ActionScript, Apex, ASP.NET, Classic ASP, VB Script, Cobol, ColdFusion, HTML, Java, JS, JSP, MXML/Flex, Objective-C, PHP, PL/SQL, T-SQL, Python (2.6, 2.7), Ruby (1.9.3), Swift, Scala, VB, and XML.

- graudit - Grep rough audit - source code auditing tool - C/C++, PHP, ASP, C#, Java, Perl, Python, Ruby
- Hound CI - Comments on style violations in GitHub pull requests. Supports Coffeescript, Go, HAML, JavaScript, Ruby, SCSS and Swift.
- imhotep - Comment on commits coming into your repository and check for syntactic errors and general lint warnings.
- Infer - A static analyzer for Java, C and Objective-C
- Klocwork © - Quality and Security Static analysis for C/C++, Java and C#
- Kiuwan © - Identify and remediate cyber threats in a blazingly fast, collaborative environment, with seamlessly integration in your SDLC. Python, C\C++, Java, C#, PHP and more
- oclint - A static source code analysis tool to improve quality and reduce defects for C, C++ and Objective-C
- pfff - Facebook's tools for code analysis, visualizations, or style-preserving source transformation for many languages
- PMD - A source code analyzer for Java, Javascript, PLSQL, XML, XSL and others
- pre-commit - A framework for managing and maintaining multi-language pre-commit hooks.
- PVS-Studio © - a (conditionaly free for FOSS) static analysis of C/C++ and C# code. For advertising purposes you can propose a large FOSS project for analysis by PVS employees.
- Security Code Scan - Security code analyzer for C# and VB.NET. Detects various security vulnerability patterns: SQLi, XSS, CSRF, XXE, Open Redirect, etc.
- shipshape - Static program analysis platform that allows custom analyzers to plug in through a common interface
- SonarQube - SonarQube is an open platform to manage code quality.
- STOKE - a programming-language agnostic stochastic optimizer for the x86_64 instruction set. It uses random search to explore the extremely high-dimensional space of all possible program transformations
- Synopsys © - A commercial static analysis platform that allows for scanning of multiple languages (C/C++, Android, C#, Java, JS, PHP, Python, Node.JS, Ruby, Fortran, and Swift)
- TsanCode - A fast and accurate static analysis solution for C/C++, C#, Lua codes provided by Tencent. Using GPLv3 license.

- Undebt - Language-independent tool for massive, automatic, programmable refactoring based on simple pattern definitions
- Veracode © - Find flaws in binaries and bytecode without requiring source. Support all major programming languages: Java, .NET, JavaScript, Swift, Objective-C, C, C++ and more.
- WALA - static analysis capabilities for Java bytecode and related languages and for JavaScript
- Wotan - Pluggable TypeScript and JavaScript linter
- XCode © - XCode provides a pretty decent UI for Clang's static code analyzer (C/C++, Obj-C)

Other

Build tools

- checkmake - Linter / Analyzer for Makefiles
- codechecker - a defect database and viewer extension for the Clang Static Analyzer

Binaries

- BinSkim - A binary static analysis tool that provides security and correctness results for Windows portable executables.
- Jakstab - Jakstab is an Abstract Interpretation-based, integrated disassembly and static analysis framework for designing analyses on executables and recovering reliable control flow graphs.
- Manalyze - A static analyzer, which checks portable executables for malicious content.
- Twiggy - Analyzes a binary's call graph to profile code size. The goal is to slim down binaries.

Containers

- clair - Vulnerability Static Analysis for Containers
- collector - Run arbitrary scripts inside containers, and gather useful information
- dagda - Perform static analysis of known vulnerabilities in docker images/containers.
- Docker Label Inspector - Lint and validate Dockerfile labels
- Haskell Dockerfile Linter - A smarter Dockerfile linter that helps you build best practice Docker images

Config Files

- gixy - a tool to analyze Nginx configuration. The main goal is to prevent misconfiguration and automate flaw detection.

Configuration Management

- ansible-lint - Checks playbooks for practices and behaviour that could potentially be improved
- foodcritic - A lint tool that checks Chef cookbooks for common problems.
- Puppet Lint - Check that your Puppet manifests conform to the style guide.

CSS

- CSS Stats - Potentially interesting stats on stylesheets
- CSScomb - a coding style formatter for CSS. Supports own configurations to make style sheets beautiful and consistent
- CSSLint - Does basic syntax checking and finds problematic patterns or signs of inefficiency
- Parker - Stylesheet analysis tool
- sass-lint - A Node-only Sass linter for both sass and scss syntax.
- scsslint - Linter for SCSS files
- Specificity Graph - CSS Specificity Graph Generator

- Stylelint - Linter for SCSS/CSS files

Gherkin

- gherkin-lint - A linter for the Gherkin-Syntax written in Javascript.

HTML

- HTML Inspector - HTML Inspector is a code quality tool to help you and your team write better markup.
- HTML Tidy - Corrects and cleans up HTML and XML documents by fixing markup errors and upgrading legacy code to modern standards.
- HTMLHint - A Static Code Analysis Tool for HTML
- Polymer-analyzer - A static analysis framework for Web Components.

IDE Plugins

- ale - Asynchronous Lint Engine for Vim and NeoVim with support for many languages
- Attackflow Extension © - Attackflow plugin for Visual Studio, which enables developers to find critical security bugs at real time in the source code without any prior knowledge.
- DevSkim - Inline, realtime security analysis. Works with multiple programming languages and IDEs (VS, VS Code, Sublime Text, ...).
- Puma Scan - Puma Scan provides real time secure code analysis for common vulnerabilities (XSS, SQLi, CSRF, LDAPi, crypto, deserialization, etc.) as development teams write code in Visual Studio.
- Security Code Scan - Security code analyzer for C# and VB.NET that integrates into Visual Studio 2015 and newer. Detects various security vulnerability patterns: SQLi, XSS, CSRF, XXE, Open Redirect, etc.
- vint - Fast and Highly Extensible Vim script Language Lint implemented by Python.

LaTeX

- ChkTeX - A linter for LaTex which catches some typographic errors LaTeX oversees.
- lacheck - A tool for finding common mistakes in LaTeX documents.

Makefiles

- portlint - A verifier for FreeBSD and DragonFlyBSD port directories

Markdown

- mdl - A tool to check markdown files and flag style issues.

Mobile

- android-lint-summary - Combines lint errors of multiple projects into one output, check lint results of multiple sub-projects at once.
- FlowDroid - static taint analysis tool for Android applications
- paprika - A toolkit to detect some code smells in analyzed Android applications.
- qark - Tool to look for several security related Android application vulnerabilities

Packages

- lintian - Static analysis tool for Debian packages
- rpmlint - Tool for checking common errors in rpm packages

Template-Languages

- ember-template-lint - Linter for Ember or Handlebars templates.
- haml-lint - Tool for writing clean and consistent HAML
- slim-lint - Configurable tool for analyzing Slim templates
- yamllint - Checks YAML files for syntax validity, key repetition and cosmetic problems such as lines length, trailing spaces, and indentation.

Translation

- dennis - A set of utilities for working with PO files to ease development and improve quality.

Writing

- misspell-fixer - Quick tool for fixing common misspellings, typos in source code
- proselint - a linter for English prose with a focus on writing style instead of grammar.
- vale - A customizable, syntax-aware linter for prose.

Web services

- Attackflow © - Application security testing tool with rules grouped into nine classes including Authorization, Injection, Cryptography, Authentication and Code Quality.
- Bithound © - Code Analysis beyond Lint, specifically for Node.js.
- Codacy © - Code Analysis to ship Better Code, Faster.
- Code Climate © - The open and extensible static analysis platform, for everyone.

- CodeFactor © - Automated Code Analysis for repos on GitHub or BitBucket.
- Functor Prevent © - Static code analysis for C code.
- Gamma © - An intelligent software analytics platform that identifies issues from multiple lenses: Design issues, code issues, duplication and metrics. Available for Java, C, C++ and C#.
- kiuwan © - Software Analytics in the Cloud supporting more than 22 programming languages.
- Landscape © - Static code analysis for Python
- Nitpick CI © - Automated PHP code review
- Node Security Platform © - Continuous Security monitoring for your node apps (free for Open Source Projects)
- QuantifiedCode - Automated code review & repair
- Scrutinizer © - A proprietery code quality checker that can be integrated with GitHub
- SensioLabs Insight © - Detect security risks, find bugs and provide actionable metrics for PHP projects
- SideCI © - An automated code reviewing tool. Improving developers' productivity.
- Snyk © - Vulnerability scanner for dependencies of node.js apps (free for Open Source Projects)
- Teamscale © - Static and dynamic analysis tool supporting more than 25 languages and direct IDE integration. Free hosting for Open Source projects available on request. Free academic licenses available.
- Upsource © - Code review tool with static code analysis and code-aware navigation for Java, PHP, JavaScript and Kotlin.

More collections

- go-tools - A collection of tools and libraries for working with Go code, including linters and static analysis
- linters - An introduction to static code analysis
- php-static-analysis-tools - A reviewed list of useful PHP static analysis tools
- Tools for C/C++ - A list of static analysis tools for C/C++

- Wikipedia - A list of tools for static code analysis.

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