SwiftLint Swift style linter

CONCEPTS

SwiftLint reads .swiftlint.yml from the directory you run it in; rules run on every .swift file below it.

.swiftlint.yml rules + paths
↓ select
Swift files included minus excluded
↓ lint
Violations warning or error
↓ report
Reporter xcode, json, ...

Analyzer rules need a full compiler log and run only under swiftlint analyze; ordinary lint rules never run there.

RUN

swiftlint
Lint all Swift files below here

swiftlint lint *<path>*
Lint given files or folders

swiftlint --fix
Auto-correct what can be fixed

swiftlint lint --strict
Fail on warnings too

swiftlint lint --quiet
Print violations only

swiftlint lint --force-exclude *<file>*
Skip excluded files even if named

swiftlint lint --only-rule *<rule>*
Run just this rule

swiftlint --version
Print the version

RULES

swiftlint rules
List rules and their status

swiftlint rules *<rule>*
Show one rule's description

swiftlint rules --enabled
Only rules enabled by config

swiftlint rules --disabled
Only rules that are off

swiftlint rules --correctable
Only rules --fix can fix

CONFIG

disabled_rules: [*<rule>***]**
Turn off default rules

opt_in_rules: [*<rule>***]**
Turn on extra rules

included: [Sources]
Lint only these paths

excluded: [Pods, .build]
Never lint these paths

only_rules: [*<rule>***]**
Run exactly these rules

opt_in_rules: [all]
Enable every opt-in rule

<rule>**: warning**
Set a rule's severity

line_length: 120
Warning threshold for a rule

file_length: {warning: 500, error: 1200}
Warning and error limits

INLINE CONTROL

// swiftlint:disable *<rule>*
Off until enabled or end of file

// swiftlint:enable *<rule>*
Turn the rule back on

// swiftlint:disable:next *<rule>*
Off for the next line

// swiftlint:disable:this *<rule>*
Off for this line

OUTPUT

swiftlint lint --reporter json
Choose the output format

BASELINE & ANALYZE

swiftlint lint --write-baseline *<file>*
Save current violations

swiftlint lint --baseline *<file>*
Report only new violations

INSTALL & CI

brew install swiftlint
Install with Homebrew