

An overview of tools that will help improve your Go code

All-in-one

- `golangci-lint` - Bundle of `gofmt`, `golint`, `govet` and many other tools that shares work between the different linters for better performance. Recommended by the original author to replace `gometalinter` (Drop-in replacement).
- DEPRECATED: `gometalinter` - Automates the installation, configuration and application of `gofmt`, `golint`, `govet` and several other code validation tools.

Code Formatting

Articles

- Formatting Go Code with `gofmt`

Tools

- `gofmt` - Start with the standard Go code formatter
- `golint` - Detects style mistakes in Go code
- `goimports` - Format code and fix your import statements
- `gofumpt` - A stricter `gofmt`
- `revive` - Fast, configurable, extensible, flexible, and beautiful linter for Go

Code generation, Templating and Generics

- `json-to-go` - Generate Go structs from JSON.
- `Go gen` - Type-driven code generation (generics)
- `gojson` - Another Go struct generator.
- `gotemplate` - Package-based templating system for Go
- `sqlgen` - Generate Go code for SQL interactions.
- `zek` - Generate Go struct from XML.

Refactoring

Articles

- Refactoring with `go fmt`
- `gorename` - easy refactoring
- Refactoring Tools - An overview of refactoring tools for Go.
- Quick renaming with `gofmt`

Tools

- `eg` - Example-based refactoring tool for Go
- `gofmt` - Start with the standard Go code formatter

- gorename - Renaming tool for Go

Error Detection

Articles

- Go Inspection Tools - An overview of tools for Go code inspection.

Tools

- AlignCheck, StructCheck, VarCheck - A suite of tools for checking your code.
- errcheck - Ensure you check your error conditions.
- go vet - Read this first on how to use the `go vet` command.
- SafeSQL - Protect against unsafe SQL in your code.

Navigation

- Go Guru - User Manual - A tool for understanding Go code.
- Pythia - A browser-based UI for Go Guru.

Visualization

- godepgraph - A tool for generating dependency graphs of Go code.