

# SonarGo

By [SonarSource](#) – GNU LGPL 3 – [Issue Tracker](#) – [Sources](#) – Supported by SonarSource

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**SonarGo 1.6** – Aug 06, 2019 – SonarQube 7.9+ (Compatible with LTS)

Add 6 new rules, improve existing rules, import golangci-lint issues reports and drop 8 rules.

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## Description

Enables the powerful [SonarGo](#) analyzer to scan [GoLang](#) 1.0+ files.

## Prerequisites

- SonarQube Scanner should run on a x86-64 Windows, macOS or Linux 64bits machine
- You need the Go installation on the scan machine only if you want to import coverage data

## First Analysis of a Go Project

1. Install SonarQube Server (see [Setup and Upgrade](#) for more details)
2. Install [SonarQube Scanner](#) and be sure you can call `sonar-scanner` from the directory where you have your source code
3. Install SonarGo (see [Installing a Plugin](#) for more details)
4. Run your analysis with the [SonarQube Scanner](#) by executing the following command from the root directory of the project:

```
sonar-scanner -Dsonar.projectKey=xxx -Dsonar.sources=.
```

5. Follow the link provided at the end of the analysis to browse your project's quality in SonarQube UI

## Further Analyses

Assuming steps 1-3 above have already been completed, you'll want to encapsulate your analysis parameters in a `sonar-project.properties` file at the root of your project (see a sample project on GitHub: <https://github.com/SonarSource/sonar-scanning-examples/tree/master/sonarqube-scanner>). Then subsequent analyses can simply be run with:

```
sonar-scanner
```

Here is a good first version of a `sonar-project.properties`, correctly excluding some "vendor" directories and categorizing files as "main" or "test":

```
sonar.projectKey=com.company.projectkey1
sonar.projectName=My Project Name

sonar.sources=.
sonar.exclusions=**/*_test.go,**/vendor/**

sonar.tests=.
sonar.test.inclusions=**/*_test.go
sonar.test.exclusions=**/vendor/**
```

## Advanced Usage

With SonarGo, you can also:

- import Coverage Results
- import Unit Tests Results Import
- import GoVet, GoLint and GoMetaLinter issues reports