




















go-kratos / **kratos** Public

















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40 Branches 73 Tags Go to file Go to file <> Code ...

 **mahendrarathore1742** contrib/registry/nacos: upgrade nacos-sdk-go from v1 to ... ✖







f149714 · 3 weeks ago 🕒



 .github	build(deps): bump actions/cac...	3 months ago
 api	chore(all): normalize whitespa...	5 months ago
 cmd	feat(middleware/auth/jwt): add...	last month
 config	fix: JSON parsing error during ...	last month
 contrib	contrib/registry/nacos: upgrad...	3 weeks ago
 docs	docs: add wechat official acco...	5 years ago
 encoding	fix(transport/http): clone transp...	last month
 errors	feat(errors): add TooManyReq...	4 months ago
 hack	chore: fix typo var name in sh...	3 years ago
 internal	chore(all): normalize whitespa...	5 months ago
 log	perf(log): optimize key-value p...	5 months ago
 metadata	fix(metadata): ensure Clone cr...	4 months ago
 middleware	feat(middleware/auth/jwt): add...	last month
 registry	chore(all): normalize whitespa...	5 months ago
 selector	docs: improve some comment...	4 months ago
 third_party	chore(all): normalize whitespa...	5 months ago
 transport	fix(transport/http): clone transp...	last month
 .gitignore	feat(errors): add TooManyReq...	4 months ago
 .golangci.yml	github: Remove submodule de...	last year

 CODE_OF_CONDUCT....	chore(all): normalize whitespa...	5 months ago
 CONTRIBUTING.md	chore(all): normalize whitespa...	5 months ago
 LICENSE	init v2	5 years ago
 Makefile	chore(all): normalize whitespa...	5 months ago
 README.md	docs: correct official document...	4 months ago
 README_zh.md	docs: correct official document...	4 months ago
 ROADMAP.md	fix: various typos (#3454)	2 years ago
 SECURITY.md	fix: markdown form format (#2...	3 years ago
 app.go	fix: honor shutdown timeout w...	8 months ago
 app_test.go	fix: honor shutdown timeout w...	8 months ago
 codecov.yml	chore(all): normalize whitespa...	5 months ago
 go.mod	chore(go.mod): update Go ver...	5 months ago
 go.sum	build(deps): bump golang.org/...	last year
 options.go	Revert "feat: support polaris s...	4 years ago
 options_test.go	fix: honor shutdown timeout w...	8 months ago
 version.go	deps: upgrade kratos version t...	4 months ago

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Kratos

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About Kratos

The name is inspired by the Greek-mythology-based game "God of War". It tells the adventures of Kratos becoming a god of war from a mortal and launching a god-killing slaughter.

Kratos is a microservice-oriented governance framework implemented by go-lang, which offers convenient capabilities to help you quickly build a bulletproof application from scratch, such as:

- The [communication protocol](#) is based on the HTTP/gRPC through the definition of Protobuf.
- Abstract [transport](#) layer support: [HTTP](#) / [gRPC](#).
- Powerful [middleware](#) design, support: [Tracing \(OpenTelemetry\)](#), [Metrics \(Prometheus is default\)](#), [Recovery](#) and more.
- [Registry](#) interface able to be connected with various other centralized registries through plugins.
- The [standard log interfaces](#) ease the integration of the third-party log libs with logs collected through the *Fluentd*.
- Automatically support the selection of the content [encoding](#) with Accept and Content-Type.
- Multiple data sources are supported for [configurations](#) and dynamic configurations (use atomic operations).
- In the protocol of HTTP/gRPC, use the uniform [metadata](#) transfer method.
- You can define [errors](#) in protos and generate enums with protoc-gen-go.
- You can define [verification rules](#) in Protobuf supported by the HTTP/gRPC service.
- [Swagger API](#) is generated Automatically and embed Swagger UI endpoint can be started by adding [Swagger plugin](#).

Kratos is accessible, powerful, and provides tools required for large, robust applications.

Learning Kratos

Kratos has the most extensive and thorough [documentation](#) and [example](#) library of all modern web application frameworks, making it a breeze to get started with the framework.

We also provide a [modern template](#). This template should help reduce the work required to set up modern projects.

Goals

Kratos boosts your productivity. With the integration of excellent resources and further support, programmers can get rid of most issues might encounter in the field of distributed systems and software engineering such that they are allowed to focus on the release of businesses only. Additionally, for each programmer, Kratos is also an ideal one learning warehouse for many aspects of microservices to enrich their experiences and skills.

Principles

- **Simple:** Appropriate design with plain and easy code.
- **General:** Cover the various utilities for business development.
- **Highly efficient:** Speeding up the efficiency of businesses upgrading.
- **Stable:** The base libs validated in the production environment have the characteristics of high testability, high coverage as well as high security and reliability.
- **Robust:** Eliminating misusing through high quality of the base libs.
- **High-performance:** Optimal performance excluding the optimization of hacking in case of *unsafe*.
- **Expandability:** Properly designed interfaces where you can expand utilities such as base libs to meet your further requirements.
- **Fault-tolerance:** Designed against failure, enhance the understanding and exercising of SRE within Kratos to achieve more robustness.
- **Toolchain:** Includes an extensive toolchain, such as the code generation of cache, the lint tool, and so forth.

Getting Started

Create a kratos playground through [docker](#):

```
docker run -it --rm -p 8000:8000 --workdir /workspace golang
```



```
apt-get update && apt-get -y install protobuf-compiler  
export GOPROXY=https://goproxy.io,direct  
go install github.com/go-kratos/kratos/cmd/kratos/v2@latest && kratos upgrade
```



```
kratos new helloworld  
cd helloworld/ && go mod tidy  
kratos run
```



Use a browser to open and visit: `http://localhost:8000/helloworld/kratos` , The kratos program is running!

If you need more, please visit the kratos [documentation](#).

Security Vulnerabilities

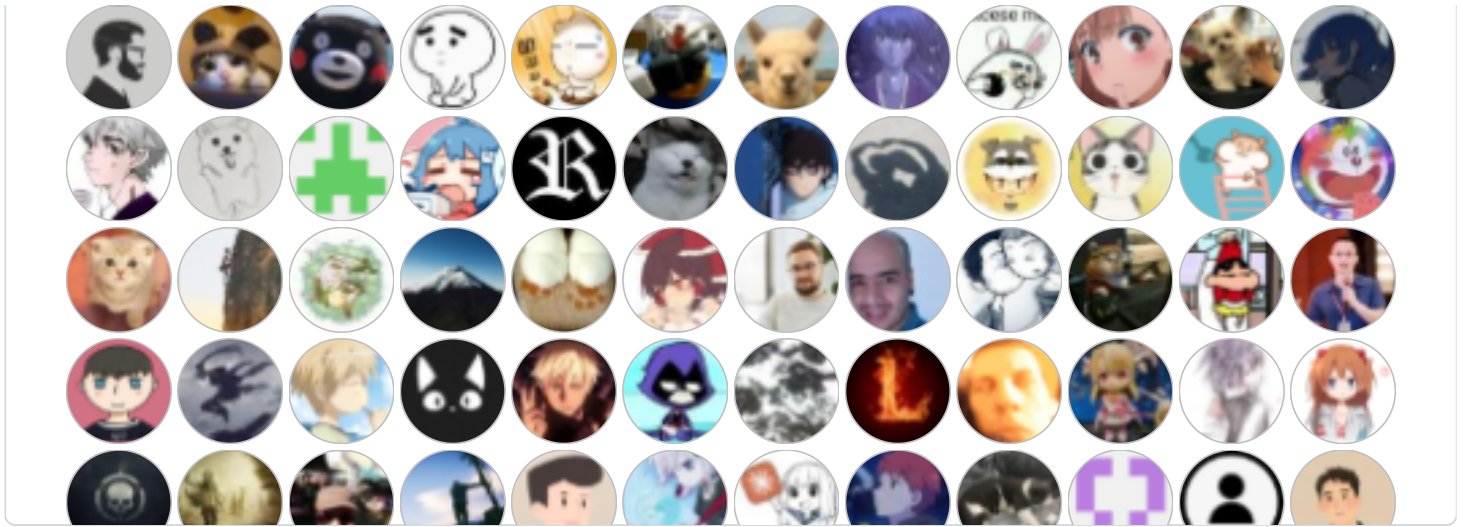
If you discover a security vulnerability within Kratos, please send an e-mail to tonybase via go-kratos@googlegroups.com. All security vulnerabilities will be promptly addressed.

Community

- [Wechat Group](#)
- [Discord Group](#)
- go-kratos.dev

Contributors

Thank you for considering contributing to the Kratos framework! The contribution guide can be found in the [Kratos documentation](#).



Releases 72

v2.9.2 Latest
on Dec 5, 2025

[+ 71 releases](#)

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Languages

