


main18 Branches51 Tags

Go to fileCode

 k8s-ci-robot	Merge pull request #1955 from jvitor83/feature/no-interpolate	6b70450 · 5 days ago1,759 Commits
.github	chore(deps): bump minimum Go version to 1.21	10 months ago
.openvex/templates	Add VEX Feed	2 years ago
build	1.35.0 Release (#1971)	last month
client	fix client/convert (issue #1818)	last year
cmd	chore: improving the description for the no-interpolate ar...	last month
docs	Replaced y with ✓ (#1975)	last month
examples	feature: change example to use non-root (#1879)	8 months ago
pkg	Merge pull request #1955 from jvitor83/feature/no-interp...	5 days ago
script	Merge pull request #1955 from jvitor83/feature/no-interp...	5 days ago
.gitignore	fix retract issue	3 months ago
.gitmodules	remove build/rpm submodule (#1587)	2 years ago
.golanci.yml	feat: migrate from libcompose to compose-go (#1547)	2 years ago
.mention-bot	Change bot message	8 years ago
.pre-commit-config.yaml	chore(deps): bump pre-commit hook versions	3 months ago
CONTRIBUTING.md	Fixes typos (#1557)	2 years ago
Dockerfile	#1821 update Dockerfile to always use head Alpine	11 months ago
Jenkinsfile	Cleanup glide (#1353)	5 years ago
LICENSE	remove executable perms from docs	9 years ago
Makefile	chore: fix test file names (#1889)	8 months ago
OWNERS	update owners (#1888)	8 months ago
README.md	1.35.0 Release (#1971)	last month
RELEASE.md	Fixes typos (#1557)	2 years ago
SECURITY.md	Add SECURITY.md	5 years ago
SECURITY_CONTACTS	owners: Remove surajssd (#1555)	2 years ago
code-of-conduct.md	Update code-of-conduct.md	8 years ago
go.mod	Merge pull request #1959 from kubernetes/dependabot/g...	2 months ago
go.sum	Merge pull request #1959 from kubernetes/dependabot/g...	2 months ago
gover.coverprofile	1.26.0 Release (#1460)	4 years ago
index.md	update references to just compose (#1869)	9 months ago
main.go	cleanup debug logs & remove duplicated output (#1348)	5 years ago

About

Convert Compose to Kubernetes

[kompose.io](#)

godockerkubernetesdocker-composecontainers

Readme

Apache-2.0 license

Code of conduct

Security policy

Activity

Custom properties

9.7k stars

129 watching

770 forks

Report repository

Releases51

v1.35.0Latest

on Dec 12, 2024

+ 50 releases

Packages

No packages published

Contributors131

+ 117 contributors

Languages

Go87.8%Shell11.0%Other1.2%

Kompose (Kubernetes + Compose)

Kompose CI: passingcoverage: 48%referencego report: A+



kompose is a tool to help users who are familiar with docker-compose move to Kubernetes. kompose takes a [Compose Specification](#) file and translates it into Kubernetes resources.

kompose is a convenience tool to go from local Compose environment to managing your application with Kubernetes. Transformation of the [Compose Specification](#) format to Kubernetes resources manifest may not be exact, but it helps tremendously when first deploying an application on Kubernetes.

Use Case

Convert [compose.yaml](#) into Kubernetes deployments and services with one simple command:

```
$ kompose convert -f compose.yaml
INFO Kubernetes file "frontend-service.yaml" created
INFO Kubernetes file "redis-leader-service.yaml" created
INFO Kubernetes file "redis-replica-service.yaml" created
INFO Kubernetes file "frontend-deployment.yaml" created
INFO Kubernetes file "redis-leader-deployment.yaml" created
INFO Kubernetes file "redis-replica-deployment.yaml" created
```

Other examples are provided in the [examples directory](#).

Installation

We have multiple ways to install Kompose. Our preferred method is downloading the binary from the latest GitHub release.

Our entire list of installation methods are located in our [installation.md](#) document.

Installation methods:

- Binary (Preferred method)
- Go
- CentOS
- openSUSE/SLE
- NixOS
- macOS (Homebrew and MacPorts)
- Windows
- Docker

Binary installation

Kompose is released via GitHub on a three-week cycle, you can see all current releases on the [GitHub release page](#).

Linux and macOS:

```
# Linux
curl -L https://github.com/kubernetes/kompose/releases/download/v1.35.0/kompose-linux-amd64

# macOS
curl -L https://github.com/kubernetes/kompose/releases/download/v1.35.0/kompose-darwin-amd64

chmod +x kompose
sudo mv ./kompose /usr/local/bin/kompose
```

Windows:

Download from [GitHub](#) and add the binary to your PATH.

Shell autocompletion

We support Bash, Zsh and Fish autocompletion.

```
# Bash (add to .bashrc for persistence)
source <(kompose completion bash)

# Zsh (add to .zshrc for persistence)
source <(kompose completion zsh)

# Fish autocompletion
kompose completion fish | source
```

Development and building of Kompose

Building with go

Requisites:

- make
- Golang v1.6 or later
- Set GOPATH correctly or click [SettingGOPATH](#) for details

Steps:

- Clone repository

```
$ git clone https://github.com/kubernetes/kompose.git $GOPATH/src/github.com/kubernetes/komp
```

- Change directory to the cloned repo.

```
cd $GOPATH/src/github.com/kubernetes/kompose
```

- Build with make

```
$ make bin
```

- Or build with go

```
$ go build -o kompose main.go
```

- Test your changes

```
$ make test
```

Documentation

Documentation can be found at our [kompose.io](#) website or our [docs](#) folder.

Here is a list of all available docs:

- Quick start
- Installation
- User guide
- Conversion
- Architecture
- Development

Community, Discussion, Contribution, and Support

Issues: If you find any issues, please [file it](#).

Kubernetes Community: As part of the Kubernetes ecosystem, we follow the Kubernetes community principles.

More information can be found on the [community page](#).

Chat (Slack): We're fairly active on [Slack](#) and you can find us in the #kompose channel.

Code of Conduct

Participation in the Kubernetes community is governed by the [Kubernetes Code of Conduct](#).