



# Kubernetes in Debian

A Resurgence from the Ashes



# whoami

- Debian Contributor since 2019
- Debian Maintainer (DM)
- Systems Development Eng @ AWS
- @arthurbdiniz
- Kitesurfing



# Slides



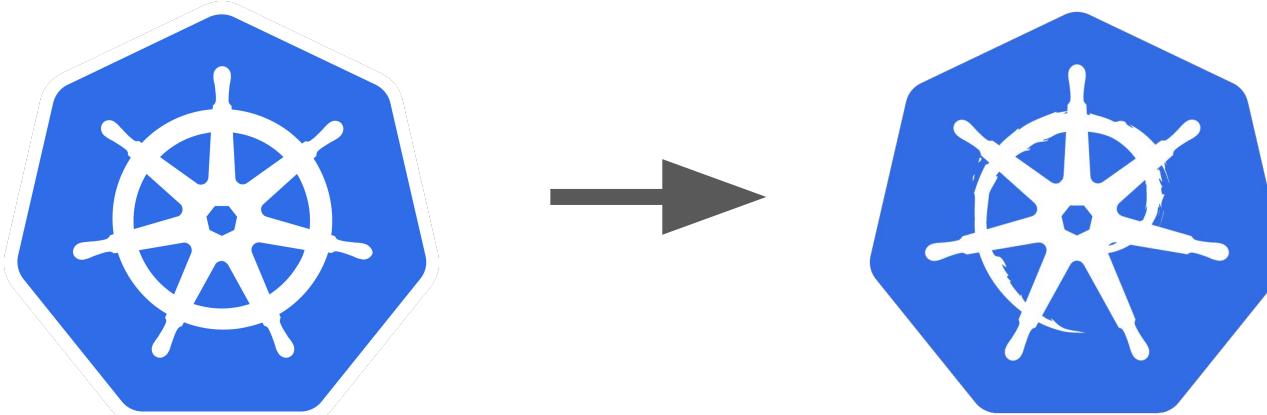
<https://arthurbdiniz.com/slides/k8s-resurgence-from-the-ashes.pdf>

# Agenda

- Debian Kubernetes Team
- Package Status
- Challenges
- Documentation / Links
- Coming Next

# Debian Kubernetes Team

- Have a place for the Ecosystem
- Joint effort to create and maintain packages
- Stop vendoring dependencies and work on packaging them
  - Took ~2 years
  - Packaged a **LOT** of dependencies
  - 7 people that helped
- Partnership with go-team



# Package



## kubernetes

Kubernetes client binary (kubectl)

general	
<b>source:</b>	<a href="#">kubernetes (main)</a>
<b>version:</b>	1.20.5+really1.20.2-1.1
<b>maintainer:</b>	<a href="#">Janos Lenart (DMD)</a>
<b>arch:</b>	amd64 arm64 armel armhf i386 s390x
<b>std-ver:</b>	4.5.0
<b>VCS:</b>	unknown

versions	
<a href="#">oldstable</a> :	1.20.5+really1.20.2-1
<a href="#">stable</a> :	1.20.5+really1.20.2-1.1
<a href="#">testing</a> :	1.20.5+really1.20.2-1.1
<a href="#">unstable</a> :	1.20.5+really1.20.2-1.1

versioned links	
<a href="#">1.20.5+really1.20.2-1</a> :	
<a href="#">1.20.5+really1.20.2-1.1</a> :	

binaries	
<a href="#">kubernetes-client</a>	(2 bugs: 0, 1, 1, 0)

action needed	
▼ Problems while searching for a new upstream version	<span>high</span>
▼ 2 security issues in trixie	<span>high</span>
▼ 2 security issues in sid	<span>high</span>
▼ lintian reports 1 error and 228 warnings	<span>high</span>
▼ 1 bug tagged patch in the BTS	<span>normal</span>
▼ Does not build reproducibly during testing	<span>normal</span>
▼ 1 low-priority security issue in bullseye	<span>low</span>
▼ 1 low-priority security issue in bookworm	<span>low</span>
▼ Issues found with some translations	<span>wishlist</span>
▼ Standards version of the package is outdated.	

news	
[2022-04-15]	<a href="#">kubernetes 1.20.5+really1.20.2-1.1 MIGRATED to testing (Debian testing watch)</a>
[2022-04-09]	<a href="#">Accepted kubernetes 1.20.5+really1.20.2-1.1 (source) into unstable (Florian Ernst)</a>
[2022-04-01]	<a href="#">kubernetes REMOVED from testing (Debian testing watch)</a>
[2021-07-14]	<a href="#">kubernetes 1.20.5+really1.20.2-1 MIGRATED to testing (Debian testing watch)</a>
[2021-06-13]	<a href="#">Accepted kubernetes 1.20.5+really1.20.2-1 (source) into unstable (Janos Lenart)</a>
[2021-03-31]	<a href="#">Accepted kubernetes 1.20.5-1 (source) into unstable (Janos Lenart)</a>
[2021-01-23]	<a href="#">kubernetes 1.20.2-1 MIGRATED to testing (Debian testing watch)</a>
[2021-01-14]	<a href="#">Accepted kubernetes 1.20.2-1 (source) into unstable (Janos Lenart)</a>

# /vendor

Application dependencies (managed manually or by your favorite dependency management tool or the built-in [modules](#) feature).

Don't commit your application dependencies if you are building a library.

[kubernetes / vendor](#) / 

Name	Last commit message
 ..	
 bitbucket.org/bertimus9/systemstat	Switch to release tag v0.5.0 of systemstat
 cel.dev/expr	hack/pin-dependency.sh github.com/google/cel-go v0.22.0
 github.com	Websocket HTTPS proxy support
 go.etcd.io	Add etcd kubernetes interface package to vendor
 go.opentelemetry.io	update go.opentelemetry.io dependencies to v1.33.0/v0.58.0
 go.uber.org	dependencies: logr v1.4.2, zap v1.27.0
 golang.org/x	Bump x/oauth2 and x/crypto

 k8s-ci-robot Merge pull request #132920 from ylink-lfs/chore/maxptr\_removal

30905af · 6 hours ago

 History

Name	Last commit message	Last commit date
..		
api	Merge pull request #130230 from carlory/cleanup-CSIDriverRegistry	last week
apiextensions-apiserver	chore: maxPtr utility removal with ptr.To	11 hours ago
apimachinery	Merge pull request #132907 from PatrickLaabs/132749-boolPtrFn	yesterday
apiserver	Merge pull request #132920 from ylink-lfs/chore/maxptr_removal	6 hours ago
cli-runtime	Merge pull request #132794 from PatrickLaabs/132749-boolptr	last week
client-go	chore: replace int32Ptr usage with ptr.To	yesterday
cloud-provider	chore: depr. pointer pkg replacement for the cloud-provider	last week
cluster-bootstrap	Merge pull request #132675 from dims/bump-sigs-k8s-io-json-no-code-ch...	2 weeks ago
code-generator	chore(validation-gen): reorder imports	2 days ago
component-base	Merge pull request #132792 from ylink-lfs/chore/typo_invalld	last week
component Helpers	Merge pull request #132675 from dims/bump-sigs-k8s-io-json-no-code-ch...	2 weeks ago
controller-manager	chore: depr. pointer pkg replacement for controller-manager	last week
cri-api	Remove gogo-protobuf from CRI	last week
cri-client	Remove gogo-protobuf from CRI	last week
csi-translation-lib	Merge pull request #132675 from dims/bump-sigs-k8s-io-json-no-code-ch...	2 weeks ago
dynamic-resource-allocation	Merge pull request #132683 from pohly/dra-resourceslice-recreate-fix	2 weeks ago
endpointslice	Cleanup duplicate function to get port number from named port	last week

[master](#)[27 Branches](#) [1428 Tags](#)[Go to file](#)[Add file](#)[Code](#)

## About

The canonical location of the Kubernetes API definition.

[k8s-staging](#)[Readme](#)[Apache-2.0 license](#)[Code of conduct](#)[Security policy](#)[Activity](#)[Custom properties](#)[704 stars](#)[33 watching](#)[439 forks](#)[Report repository](#)

## Releases

[1,428 tags](#)

## Packages

No packages published

## Contributors

[+ 487 contributors](#)

 **k8s-publishing-bot** Merge pull request #130230 from carlory/cleanup-CSIDriverRegistry · 839e6c7 · last week · 7,616 Commits

 .github	delete all duplicate empty blanks	6 years ago
 admission	remove import doc comments	8 months ago
 admissionregistration	generate	8 months ago
 apidiscovery	remove import doc comments	8 months ago
 apiserverinternal/v1alpha1	remove import doc comments	8 months ago
 apps	generate code	2 months ago
 authentication	remove import doc comments	8 months ago
 authorization	remove import doc comments	8 months ago
 autoscaling	generate code	2 months ago
 batch	KEP-3939: Job Pod Replacement Policy; promote to GA	5 months ago
 certificates	generate code	6 months ago
 coordination	generated	4 months ago
 core/v1	Fix outdated links in VolumeSource godocs	last month
 discovery	update generate docs for PreferSameTrafficDistribution	5 months ago
 events	remove import doc comments	8 months ago
 extensions	run update-codegen.sh	last month
 flowcontrol	remove import doc comments	8 months ago

Name	Last commit	Last update
📁 .github	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 CHANGELOG	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 LICENSES	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 api	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 build	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 cluster	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 cmd	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 debian	Release version 1.20.5+really1.20.2-1.1+deb12u1 to book...	2 days ago
📁 docs	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 hack	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 logo	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 pkg	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 plugin	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 staging	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 test	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 third_party	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 translations	Import Upstream version 1.20.5+really1.20.2	5 months ago
📁 vendor	Import Upstream version 1.20.5+really1.20.2	5 months ago

# uscan

```
1 Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
2 Source: https://github.com/kubernetes/kubernetes
3 Upstream-Name: Kubernetes
4 Files-Excluded: api
5         build
6         cluster
7         cmd/clicheck
8         cmd/cloud-controller-manager
9         cmd/dependencycheck
10        cmd/dependencyverifier
11        cmd/fieldnamedocscheck
12        cmd/gendocs
13        cmd/genkubedocs
14        cmd/genman
15        cmd/genswaggertypedocs
```

```
$ uscan
Newest version of kubernetes on remote site is 1.32.3, specified download version is 1.32.3
Successfully repacked ../v1.32.3 as ../kubernetes_1.32.3+ds.orig.tar.gz, deleting 30616 files from it.
```

```
$ du -h upstream-v1.32.3.tar.gz kubernetes_1.32.3+ds.orig.tar.gz
14M     upstream-v1.32.3.tar.gz
3.2M    kubernetes_1.32.3+ds.orig.tar.gz
```

Name	Last commit	Last update
📁 .github	New upstream version 1.31.4+ds	4 months ago
📁 CHANGELOG	New upstream version 1.32.3+ds	3 months ago
📁 LICENSES	New upstream version 1.31.4+ds	4 months ago
📁 cmd	New upstream version 1.31.4+ds	4 months ago
📁 debian	Release version 1.32.3+ds-2 to unstable	1 week ago
📁 staging	New upstream version 1.32.3+ds	3 months ago
📄 .generated_files	New upstream version 1.31.4+ds	4 months ago
❗ .gitattributes	New upstream version 1.32.3+ds	3 months ago
❗ .gitignore	New upstream version 1.31.4+ds	4 months ago

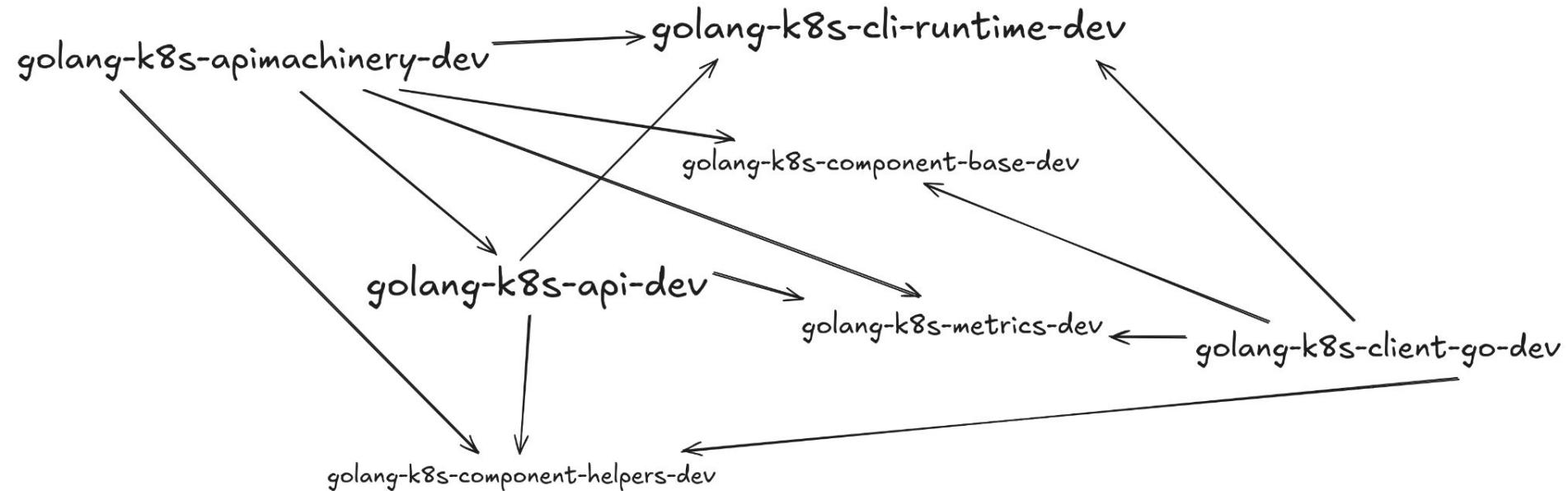
## Pros

- Minimal d/copyright
- Less dependencies to make it build

## Cons

- Need to track when upstream creates new folders
- Work spread across multiple source packages to bump

# Bumping K8S Version



# New UNVENDORIZED upstream version 1.31.4



Merged Arthur Diniz requested to merge [new-unvendorized-upstream...](#) into [debian/sid](#) 4 months ago

Overview 51

Commits 57

Pipelines 10

Changes 534+

## Summary of Changes in Kubernetes 1.31.4+ds-1



### Upstream Updates

- Updated to **Kubernetes 1.31.4+ds** (Closes: #1055411).
- **Security Fix:** [CVE-2021-25743](#) – Prevents ANSI escape characters in `kubectl` output (Closes: #1016441).
- **Source Cleanup:** Repackaged to remove all `non-kubectl` sources (Closes: #1047881).
  - Excluded folders: `cmd`, `staging`, `hack`, `docs`, `third_party`, and `vendor`.

Set LANGUAGE env variable in TestDiffProgram for consistent locale be...  
#130987

 Open arthurbdiniz wants to merge 1 commit into `kubernetes:master` from `arthurbdiniz:kubectl-diff-testing-language-env` 

Set Git messages to English for TestRemoteLoad\_LocalProtocol #5882

 Edit  Code ▾

 Open arthurbdiniz wants to merge 1 commit into `kubernetes-sigs:master` from `arthurbdiniz:set-git-messages-to-english-for-TestRemoteLoad_LocalProtocol` 

fix: enforce int64 for large integer values in tests #120

 Open arthurbdiniz wants to merge 1 commit into `kubernetes-sigs:master` from `arthurbdiniz:fix/tests-32bit-architectures` 

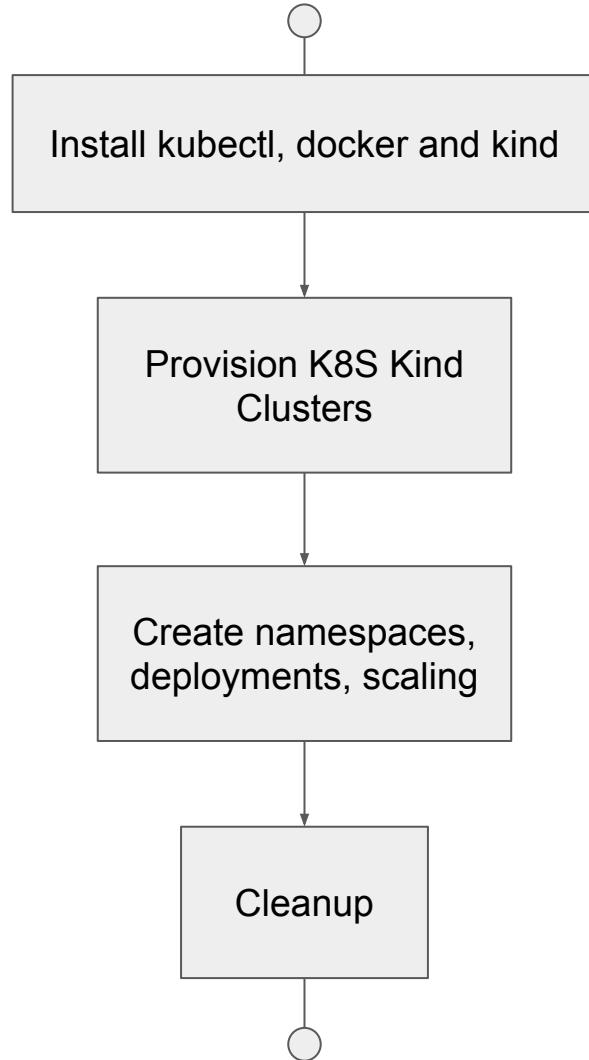
# Changelog

- 84 lines

```
1 kubernetes (1.31.4+ds-1) unstable; urgency=medium
2
3   * New upstream version 1.31.4+ds (Closes: #1055411)
4     - Fix CVE-2021-25743: ANSI escape characters in kubectl output are not
5       being filtered (Closes: #1016441)
6     - Fix CVE-2020-8554: Kubernetes API server man in the middle using
7       LoadBalancer or ExternalIPs (Closes: #990793)
8       ~ The version 1.20.5+really1.20.2-1 used to contain the vulnerability's
9         source code, but we removed it during the repack. The binary package
10        was not affected
11     - Repack to remove all source non related to kubectl (Closes: #1047881)
12       ~ Remove folders cmd, staging, hack, docs, third_party and vendor
13     - Fix config use-context command segfaults from kubernetes-client
14       (kubectl). The autopkgtest d/t/kubectl.sh is covering that scenario.
15       (Closes: #990793)
16   * d/clean: Remove file after upstream repack cleanup
17   * d/compat: Remove obsolete file in favor of debhelper-compat
18   * d/control:
19     - Add dh-exec to Build-Depends
20     - Add Uploaders field
21     - Bump debhelper-compat to 13
22     - Bump Standards-Version to 4.7.2
23     - Create new binary package kubectl to replace kubernetes-client
24     - Declare Rules-Requires-Root to no
25     - Export kubectl library dev files to new binary package
26     - Replace current maintainer to Kubernetes Team
27     - Reorder Homepage field and change schema to https
28     - Set Vcs-* fields to Kubernetes team Salsa group (Closes: #1086756)
29     - Set XS-Go-Import-Path to k8s.io/kubernetes
30     - Set kubernetes-client to transitional package
31     - Update Build-Depends for the unvendored build
32   * d/copyright:
33     - Add comment to debian/*
34     - Add Files-Excluded
35     - Bump upstream copyright years to 2014-2024
36     - Declare Arthur Diniz 2025 debian copyright
37     - Declare copyright for authors under translations folder
38     - Format Apache-2.0 License content body
39   * d/gbp.conf: Create file with dist DEP14 and debian/sid branch
40   * d/golang-k8s-kubectl-dev.install: Add installation file for Go source
41     directory
42   * d/kubectl.install:
43     - Only build shell completions if not cross-building
44     - Install kubectl and shell completion files (Closes: #994438)
45   * d/kubectl.lintian-overrides: Silence unknown-field Static-Built-Using
46   * d/kubectl.manpages: Install kubectl manpage
47   * d/kubernetes-client*: Remove deprecated binary package related files
48   * d/kubernetes-master*: Remove deprecated binary package related files
49   * d/kubernetes-node*: Remove deprecated binary package related files
50   * d/p/*:
51     - Bump evanphx json-patch library to v5
52     - Set LANGUAGE env variable for TestDiffProgram
53   * d/rules:
54     - Build with -buildmode=pie (except on mipsel or mips64el)
55     - Define version metadata and LDFLAGS variables
```

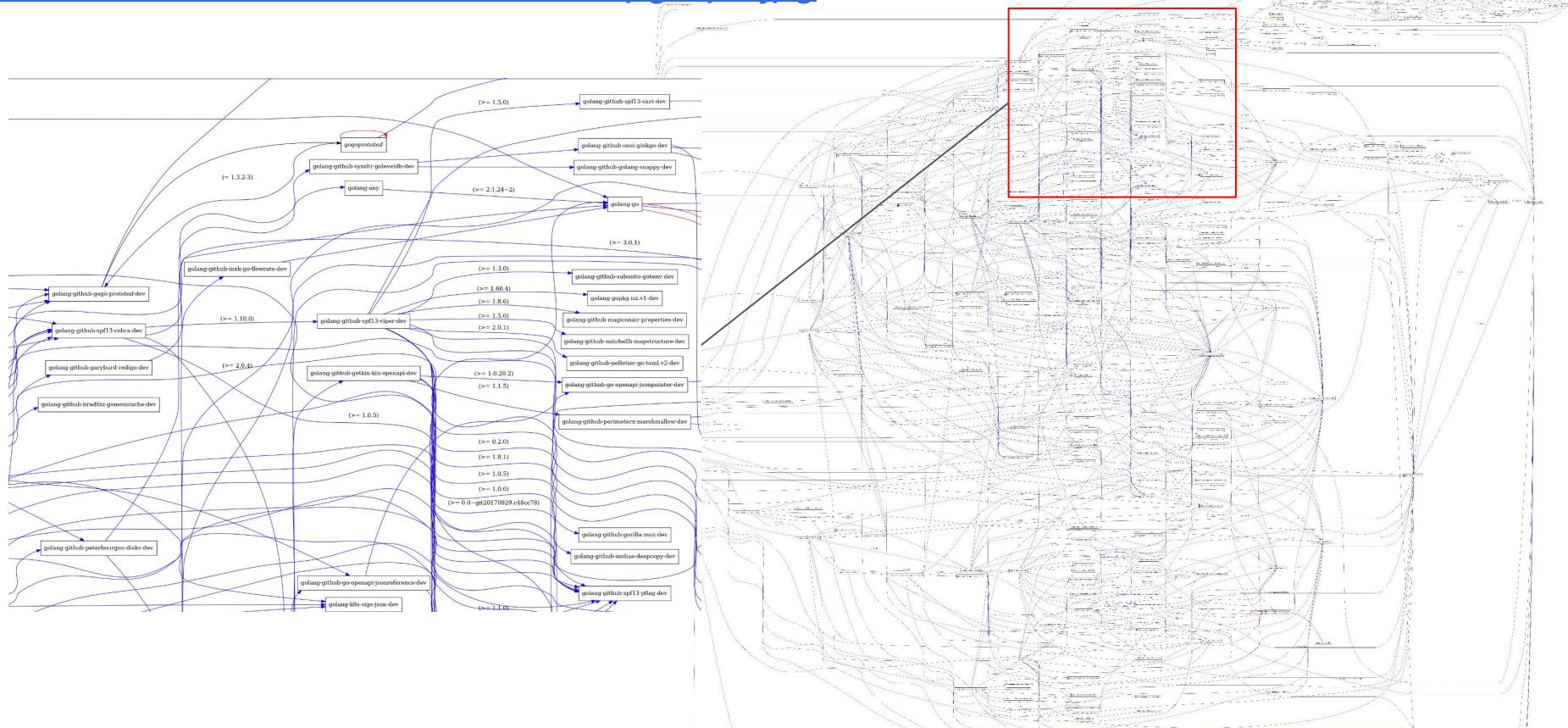
# autopkgtest

```
debian > tests > ! control
1  Tests: kubectl.sh
2  Depends: ca-certificates,
3          | docker-cli,
4          | docker.io,
5          | kind,
6          | kubectl
7  Restrictions: isolation-machine,
8          | needs-internet,
9          | needs-root
10
```



```
debtree golang-k8s-kubectl-dev | dot -Tjpg > depgraph.jpg
```

<https://arthurbdiniz.com/static/assets/img/blog/bringing-kubernetes-back-to-debian/kubectl-depgraph.jpg>



# Tracker



## kubernetes

general	
source:	<a href="#">kubernetes (main)</a>
version:	1.32.3+ds-2
maintainer:	Debian Kubernetes Packaging Team [DMD]
uploaders:	Janos Lenart [DMD] – Arthur Diniz [DMD] [DMD]
arch:	all any
std-ver:	4.7.2
VCS:	<a href="#">Git</a> ( <a href="#">Browse</a> , <a href="#">QA</a> )

versions	
oldstable:	<a href="#">1.20.5+really1.20.2-1</a>
stable:	<a href="#">1.20.5+really1.20.2-1.1</a>
testing:	<a href="#">1.32.3+ds-2</a>
unstable:	<a href="#">1.32.3+ds-2</a>

versioned links	
<a href="#">1.20.5+really1.20.2-1</a> :	<a href="#">⊕</a> <a href="#">≡</a> <a href="#">⊕</a> <a href="#">X</a> <a href="#">⊕</a>
<a href="#">1.20.5+really1.20.2-1.1</a> :	<a href="#">⊕</a> <a href="#">≡</a> <a href="#">⊕</a> <a href="#">X</a> <a href="#">⊕</a>
<a href="#">1.32.3+ds-2</a> :	<a href="#">⊕</a> <a href="#">≡</a> <a href="#">⊕</a> <a href="#">X</a> <a href="#">⊕</a>

binaries	
<a href="#">golang-k8s-kubectl-dev</a>	
<a href="#">kubectl</a>	
<a href="#">kubernetes-client</a>	

action needed	
▼ A new upstream version is available: <a href="#">1.33.2</a>	<a href="#">high</a>
▼ <a href="#">1 bug</a> tagged patch in the BTS	<a href="#">normal</a>
▼ <a href="#">Issues</a> found with some translations	<a href="#">low</a>

news	
[2025-07-06] kubernetes 1.32.3+ds-2	MIGRATED to testing (Debian testing watch)
[2025-06-27] Accepted kubernetes 1.32.3+ds-2 (source) into unstable (Arthur Diniz)	
[2025-04-06] kubernetes 1.32.3+ds-1	MIGRATED to testing (Debian testing watch)
[2025-03-31] Accepted kubernetes 1.32.3+ds-1 (source) into unstable (Arthur Diniz)	
[2025-03-29] kubernetes 1.31.4+ds-2	MIGRATED to testing (Debian testing watch)
[2025-03-24] Accepted kubernetes 1.31.4+ds-2 (source) into unstable (Arthur Diniz)	
[2025-03-23] Accepted kubernetes 1.31.4+ds-1 (source all amd64) into unstable	(Debian FTP Masters) (signed by: Samuel Henrique)
[2024-12-11] kubernetes REMOVED from testing	(Debian testing watch)
[2022-04-15] kubernetes 1.20.5+really1.20.2-1.1	MIGRATED to testing (Debian testing watch)
[2022-04-09] Accepted kubernetes 1.20.5+really1.20.2-1.1 (source) into unstable	(Florian Ernst)
[2022-04-01] kubernetes REMOVED from testing	(Debian testing watch)
[2021-07-14] kubernetes 1.20.5+really1.20.2-1	MIGRATED to testing (Debian testing watch)
[2021-06-13] Accepted kubernetes 1.20.5+really1.20.2-1 (source) into unstable	(Janos Lenart)
[2021-03-31] Accepted kubernetes 1.20.5-1 (source) into unstable	(Janos Lenart)
[2021-01-23] kubernetes 1.20.2-1	MIGRATED to testing (Debian testing watch)
[2021-01-14] Accepted kubernetes 1.20.2-1 (source) into unstable	(Janos Lenart)
[2020-12-09] Accepted kubernetes 1.20.0-1 (source) into unstable	(Janos Lenart)
[2020-11-21] Accepted kubernetes 1.19.4-2 (source) into unstable	(Janos Lenart)
[2020-11-17] Accepted kubernetes 1.19.4-1 (source) into unstable	(Janos Lenart)
[2020-10-23] kubernetes REMOVED from testing	(Debian testing watch)
[2020-10-21] Accepted kubernetes 1.19.3-1 (source) into unstable	(Janos Lenart)
[2020-07-22] kubernetes 1.18.6-1	MIGRATED to testing (Debian testing watch)
[2020-07-16] Accepted kubernetes 1.18.6-1 (source) into unstable	(Janos Lenart)
[2020-07-15] Accepted kubernetes 1.18.5-1 (source) into unstable	(Janos Lenart)

# QA

## main (11)

Source Package	Bugs		Version						Ubuntu	VCS	Build	Lintian	Deb check	Piu parts	CI Rep	Popcon	Watch
	All	RC	oldstable	stable	testing	unstable	exp	E+W									
golang-k8s-cli-runtime*	-	-	-	-	0.32.3-1	-	0.32.3-1	Git ✓	1x✓	✓	I	✓	✓✓	-	-	0.33.2	
golang-k8s-sigs-kustomize-api*	-	-	-	-	0.19.0+ds-1	-	0.19.0+ds-1	Git ✓	1x✓	✓	I	✓	✓✓	-	-	0.20.0	
golang-k8s-sigs-kustomize-cmd-config*	-	-	-	-	0.19.0+ds-1	-	0.19.0+ds-1	Git ✓	1x✓	✓	I	✓	✓✓	-	-	0.20.0	
golang-k8s-sigs-kustomize-kyaml*	-	-	-	-	0.19.0+ds-1	-	0.19.0+ds-1	Git ✓	1x✓	✓	I	✓	✓✓	-	-	0.20.0	
kind*	-	-	-	-	0.27.0-1	-	0.27.0-1	Git ✓	✗✓✓✓✓✓✗✗✗✓✓ ✗✓✓✓✓✓✗✗✗✓✓	✓	I	✓	✓✓	FTBR	21	0.29.0	
kubectx*	-	-	-	0.9.3-1	0.9.5-2	-	0.9.5-2	Git ✓	✗✓✓✓✓✓✗✗✗✓✓ ✗✓✓✓✓✓✗✗✗✓✓	✓	S I	✓	✓✓	-	214	0.9.5	
kubernetes*	2	-	1.20.5+really1.20.2-1	1.20.5+really1.20.2-1.1 p-u-new: 1.20.5+really1.20.2-1.1+deb12u1	1.32.3+ds-2	-	-	Git ✓	✓✓✓✓✓✓✗✗✗✓✓ ✗✗✗✗✗✗✗✗✗	✓	✓	✓	✓✓	-	2146	1.33.2	
kubernetes-split-yaml*	-	-	-	0.3.0-1	0.4.0-1	-	0.4.0-1	Git ✓	✗✓✓✓✓✓✗✗✗✓✓ ✗✓✓✓✓✓✗✗✗✓✓	✓	I	✓	✓✓	-	12	0.4.0	
kubetail*	1	-	1.6.5-2			1.6.20-1	-	1.6.20-1	Git failed	1x✓	✓	I	✓	--	69	1.6.20	
kustomize*	-	-	-	-	5.6.0+ds-1	-	5.6.0+ds-1	Git ✓	✓✓✓✓✓✓✗✗✗✓✓ ✗✗✗✗✗✗✗✗✗	✓	✓	✓	✓✓	FTBR	17	5.7.0	
tfk8s*	-	-	-	-	0.1.10-2	-	0.1.10-2	Git ✓	✗✓✓✓✓✓✗✗✗✓✓ ✗✓✓✓✓✓✗✗✗✓✓	✓	I	✓	✓✓	-	-	0.1.10	

<https://qa.debian.org/developer.php?email=team%2Bkubernetes%40tracker.debian.org>

# Salsa

 packages 

[Subgroups and projects](#)   [Shared projects](#)   [Inactive](#)

   [Name](#) 

 <a href="#">golang-k8s-cli-runtime</a> 	Utility for building command-line tools for Kubernetes	 0	46 minutes ago
 <a href="#">golang-k8s-sigs-kustomize-api</a> 	Core API components and utilities for Kustomize	 0	46 minutes ago
 <a href="#">golang-k8s-sigs-kustomize-cmd-config</a> 	Utilities for managing Kubernetes configurations	 0	46 minutes ago
 <a href="#">golang-k8s-sigs-kustomize-kyaml</a> 	Reading and writing Kubernetes Resource configuration as YAML	 0	46 minutes ago
 <a href="#">kind</a> 	Kubernetes IN Docker - local clusters for testing Kubernetes	 1	9 hours ago
 <a href="#">kubectx</a> 	Fast way to switch between clusters and namespaces in kubectl	 1	23 hours ago
 <a href="#">Kubernetes</a> 	Kubernetes is an open-source container orchestration system for automating software deployment, scaling, and management	 1	23 hours ago
 <a href="#">kubernetes-split-yaml</a> 	Split a giant yaml file into one file per Kubernetes resource	 1	1 year ago
 <a href="#">kubetail</a> 	Aggregate logs from multiple Kubernetes pods into one stream	 1	1 year ago
 <a href="#">kustomize</a> 	Customization of Kubernetes YAML configurations	 1	3 hours ago
 <a href="#">tfk8s</a> 	Tool for converting Kubernetes YAML manifests to Terraform HCL	 1	1 hour ago

# Documentation

<https://debian-kubernetes.org>

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Debian Kubernetes Team

## About

The **Debian Kubernetes Team** maintains and provides Kubernetes-related packages for Debian, ensuring these packages stay up to date, fix security issues, and improve reliability. The goal is to make it easier for users to run and manage Kubernetes on Debian.

- [QA](#)
- [Tracker](#)
- [Wiki](#)
- [Backlog](#)

## Ultimate Debian Database (UDD)

- [HTML](#)
- [JSON](#)

# Links

- Tracker: <https://tracker.debian.org/teams/kubernetes>
- IRC: #debian-kubernetes on irc.debian.org (OFTC)
- Wiki: <https://wiki.debian.org/Teams/pkg-kubernetes>
- Salsa: <https://salsa.debian.org/kubernetes-team>

# Coming next

- **kubelet**: The primary node agent that runs on each node.
- **kubeadm**: A tool for creating Kubernetes clusters.
- **kompose**: A conversion tool that helps users familiar with docker-compose.
- **k9s**: Terminal based UI to interact with clusters.
- **helm**: The package manager for Kubernetes.

# Takeaways

- **kubectl** now available in Debian unstable 1.32.3
  - Hopefully it will be available on the next Debian stable (Trixie)
  - Zsh, Fish, and Bash completions installed automatically
  - Manpages
- Closed over a dozen long-standing bugs, including:
  - Outdated version requests
  - Missing shell completions
  - VCS (version control system) metadata issues
  - ([#1055411](#), [#990793](#), [#1009356](#), [#1016441](#), [#1086756](#), [#1047881](#), [#832706](#),  
[#976428](#), [#994438](#))
- Update to 1.33.2 after freeze
- Replace **help2man** to upstream manpage generator

Thank You