



KubeCon



CloudNativeCon

Europe 2026

#KubeCon #CloudNativeCon

What's New With Kubectl and Kustomize ... and How You Can Help!

Marly Salazar, Integral Ad Science

Yugo Kobayashi, SB Intuitions

Arda Guclu, Red Hat

Maciej Szulik & Eddie Zaneski, Defense Unicorns



Develop and Maintain Core CLI Tools

Provide Libraries and SDKs

Oversee Subprojects and Standards

What is it?

kustomize is a tool that allows you to customize resource files

Latest Version: v5.8.1

What happened after last Kubecon?

We introduced “Propagate Namespace correctly to Helm” in [v5.8.0](#), but that contains a regression bug related namespace propagation for child [kustomization.yaml](#).

-> That is fixed in [v5.8.1](#), see [#6044](#).

That means kustomize stops to namespace force overwrite.

-> Since some users rely on the previous behavior.

We plan to add an option to the previous behavior - [#6058](#)

User preferences for kubectl - [KEP-3104](#)

Default flag values

```
kubectl delete --interactive
```

Command aliases

```
kubectl my-fancy-alias
```

Credential plugins allow list



User preferences for kubectl - KEP-3104



```
kubectl kuberc view
```

```
kubectl kuberc set --section=defaults
```

```
kubectl kuberc set --section=aliases
```

```
kubectl kuberc set --section=credentialplugin
```



Shout out to @pmengelbert



Safer & less ambiguous YAML - KEP-5295

YAML dialect

kubectl get -o kyaml



```
1  ---
2  {
3    apiVersion: "v1",
4    kind: "Pod",
5    metadata: {
6      annotations: {
7        kubernetes.io/config.hash: "df45e7e97f43358399e6d20c7b849929",
8        kubernetes.io/config.mirror: "df45e7e97f43358399e6d20c7b849929",
9        kubernetes.io/config.seen: "2025-11-01T15:00:01.041515746Z",
10       kubernetes.io/config.source: "file",
11     },
12     creationTimestamp: "2025-11-01T15:00:05Z",
13     generation: 1,
14     labels: {
15       component: "kube-apiserver",
16       tier: "control-plane",
17     },
18     name: "kube-apiserver-kind-control-plane",
19     namespace: "kube-system",
20     ownerReferences: [{
21       apiVersion: "v1",
22       controller: true,
23       kind: "Node",
24       name: "kind-control-plane",
25       uid: "4d7c51f7-d6b4-442f-b5bb-89d4d6b44744",
26     }],
27     resourceVersion: "410",
28     uid: "08fa9935-578c-4e07-baa1-167e556ce351",
29   },
30   spec: {
31     containers: [{
32       command: [
33         "kube-apiserver",
34         "--advertise-address=172.18.0.2",
```

SPDY -> Websockets transition - KEP-4006

```
kubectl      attach  
              exec  
              port-forward
```



🎉 Shout out to @seans3 🎉

Commands in headers KEP-859

```
"Kubectl-Command": "kubectl get"
```

```
"Kubectl-Session": "8a108e56-d7c0-4251-a895-..."
```

Subresource support KEP-2590

```
kubectl get|patch|edit|apply  
  --subresources status|scale|resize
```



Deprecations

kubectl debug

new default - **legacy** -> **general**

kubeconfig - use **kuberc** instead of Preferences

kui and **krm-functions** have been
retired due to **lack of support**



Multiple conditions in v1.36



KubeCon



CloudNativeCon

Europe 2026

RFE: Kubectl wait for multiple conditions - [#95759](#)

```
kubectl wait pod/mypod \  
  --for=create \  
  --for=cnd1 \  
  --for=delete \  
  --for=cnd2
```

NEW!
NEW!
NEW!



Future items

Multiple kubeconfig support

A new command like apply that is server side by default

JSONPath improvements or alternatives. CEL?

CRI Native Container Copy [KEP-4582](#)

How can we collect usage data to improve the project?

Please no more flags

Biweekly meeting / Monthly kubectl bug scrubs

Wednesday at 06:00pm CET / 12:00pm EDT / 09:00am PDT

Slack

[#sig-cli](#)

Mailing List

sig-cli@kubernetes.io

