KubeCon
CloudNativeCon
Europe 2025
LONDON BUS

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

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SIG CLI

Kustomize

What is it?

kustomize is a CLI tools that customize kustomize yaml

https://github.com/kubernetes-sigs/kustomize

What's new?

Decided not to remove kustomize from kubectl - KEP 4706

support existing workflows

backward compatibility is priority

Kustomize

Future work?

- Wasm Plugin - KEP 4946
  - Status: *In review*
- Release automation: - kustomize#5866
  - Status: *In progress*
- Improve Helm Support
  - Status: *Planning*

kubectl debug

Custom profile in debug - KEP 4292

```
--profile='legacy':
Options are "legacy", "general", "baseline",
"netadmin", "restricted" or "sysadmin".

--custom='':
Path to a JSON or YAML file containing a
partial container spec to customize built-in
debug profiles.
```

kubectl plugin sub-command

create sub-plugins - KEP 3638 *(beta)*

`kubectl my-plugin` ✅

`kubectl auth my-plugin` ❌

`kubectl create my-plugin` ✅

kubectl –subresource

Subresource support - KEP 2590

```
kubectl

    get
    patch
    edit
    apply

                --subresource

                status
                scale
                resize
```

kubectl delete

Interactive delete - KEP 3895

```
$ kubectl delete -i pod/test-pod
You are about to delete the following 1
resource(s):
pod/test-pod
Do you want to continue? (y/n): y
pod "test-pod" deleted
```

kuberc

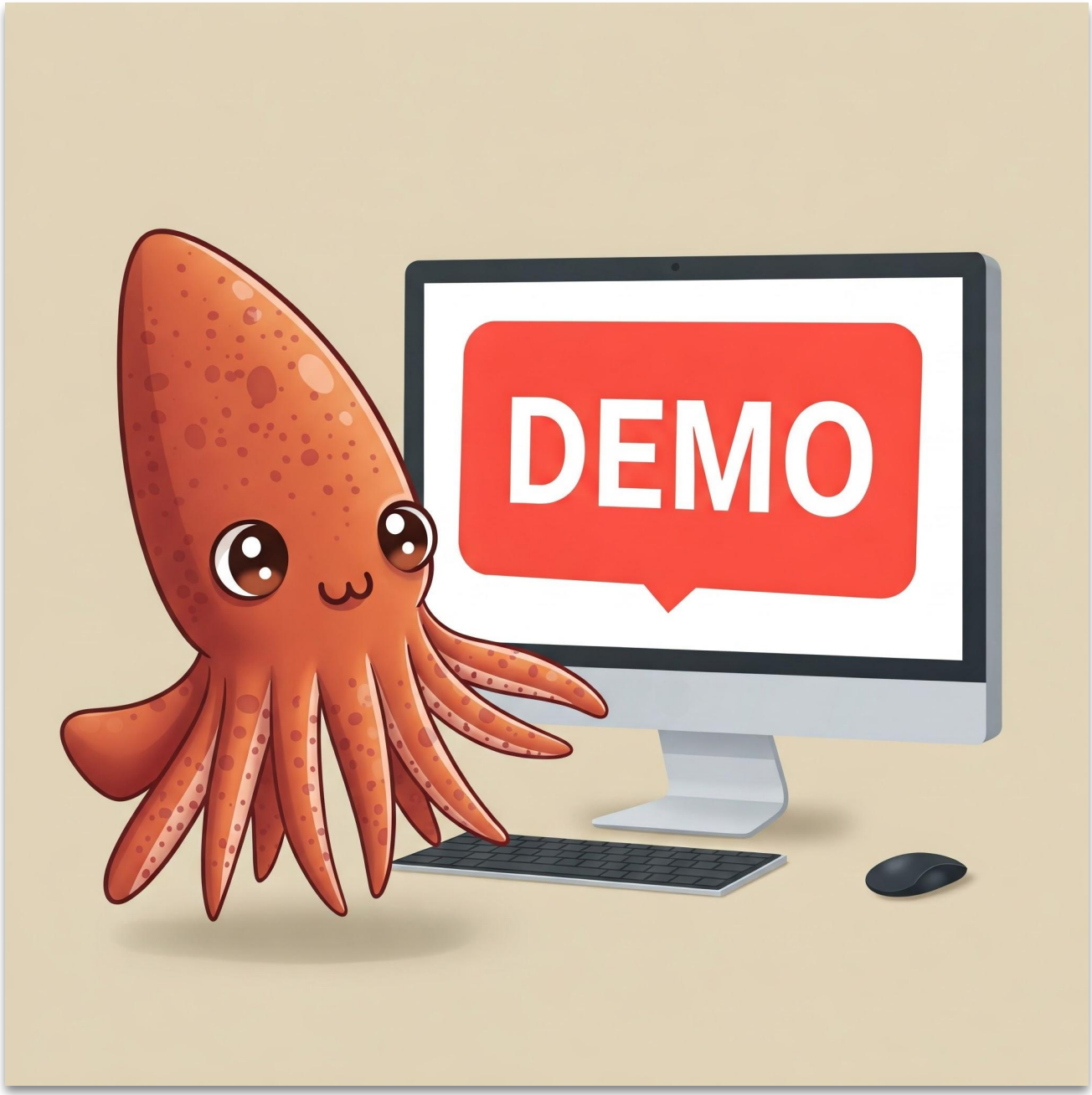
User preferences - KEP 3104 *(alpha)*

Separates user prefs from cluster confs

Allows:

- creating **default flag settings**
  (eg. defaulting interactive delete or a default namespace)
- creating **aliases for commands**

```
KUBECTL_KUBERC=true kubectl …
```



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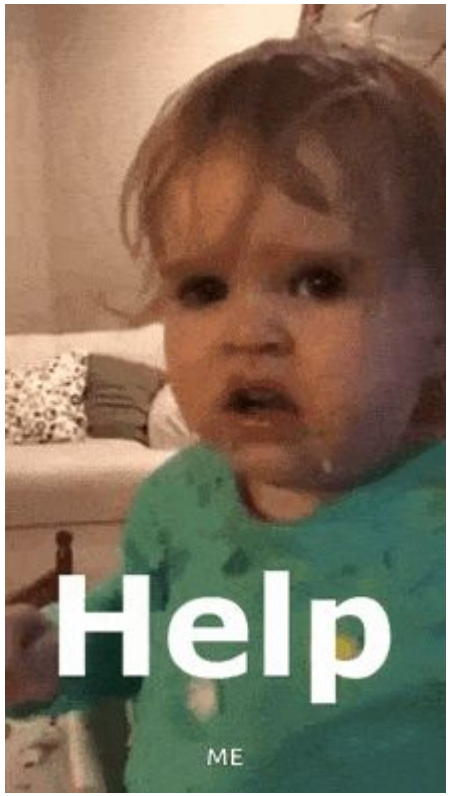
Future Things

- 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
- **Please no more flags**



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Biweekly meeting

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

Monthly kubectl bug scrubs

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

Slack

#sig-cli

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