

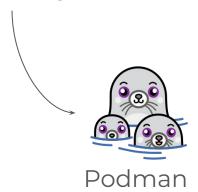
kubectl debug is Missing an IDE Option

Let's Fix That!

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Hi, I am Mario 👋 🦲

Currently



For the last 7 years



kubectl debug

NAME

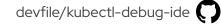
kubectl debug - Create debugging sessions for troubleshooting workloads and nodes

SYNOPSIS

kubectl debug [OPTIONS]

DESCRIPTION

Debug cluster resources using interactive debugging containers.



kubectl debug is awesome!

kubectl get pod

kubectl describe pod

kubectl get pod -o json

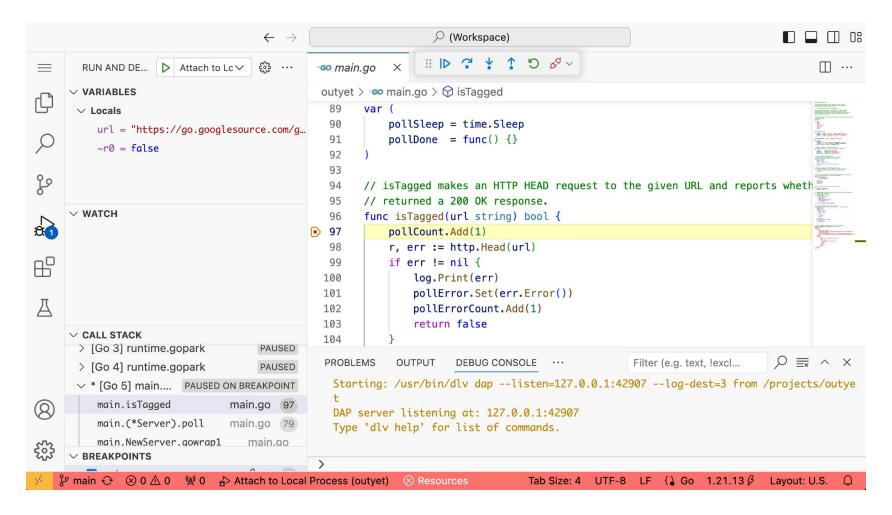
kubectl get events

kubectl logs

kubectl exec



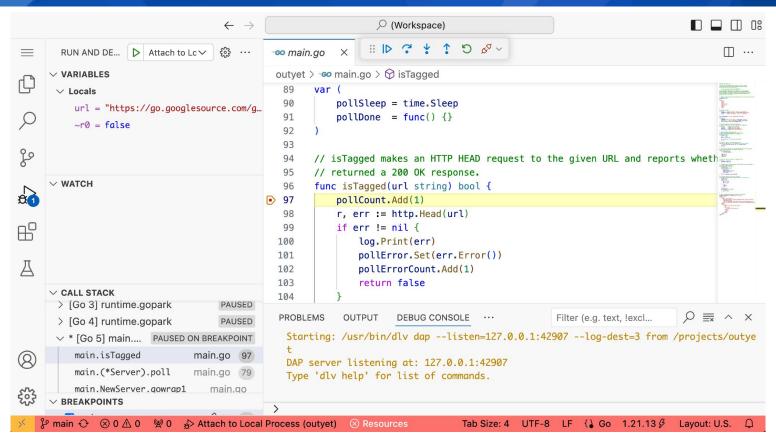
kubectl debug is missing something!





```
1/1
                 Running
                                     12m
outyet
  kubectl debug-ide outyet \
    --image ghcr.io/l0rd/outyet-dev:latest \
   --copy-to outyet-debug \
> --share-processes \
  --git-repository https://github.com/l0rd/outyet.git
  found the target pod outyet in namespace mloriedo-dev.
 created devworkspace outyet-dw in namespace mloriedo-dev.
  waiting for the deployment workspace9cfd803192d54911 to be available.....done
  waiting for the pod workspace9cfd803192d54911-5769d4496c-csmv2 to be ready...done
   click on the following link # and start debugging
https://workspace9cfd803192d54911.apps.sandbox-m2.ll9k.p1.openshiftapps.com/che-code/
```







Design Choices

- Same UX and flags as kubectl debug
- Part of the Devfile, a CNCF Sandbox Project



Requires the DevWorkspace Operator (+)



Multiple IDE support 🗶



Next Steps

- Submit it to krew
- Support debugging using an Ephemeral Container
- Support local IDE to connecting to the remote container





To Learn More



github.com/devfile/kubectl-debug-ide

