

# AGENDA

**01**

CLIENT-GO, API, AND APIMACHINERY

**02**

HOW TO CONNECT TO OUR CLUSTER

**03**

MANAGING RESOURCES

**04**

CONTROLLERS AND OPERATORS

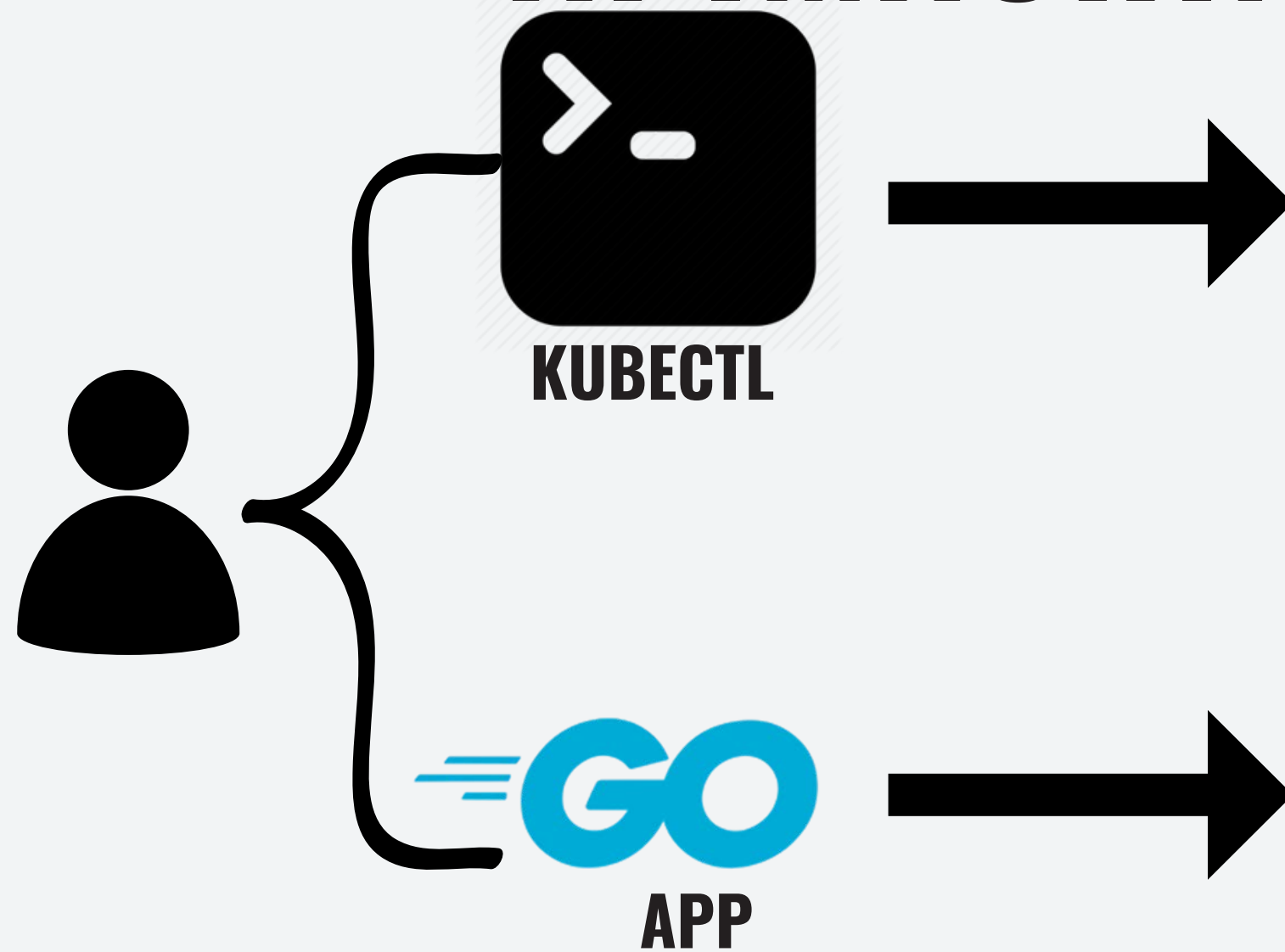
**05**

OPERATORHUB.IO

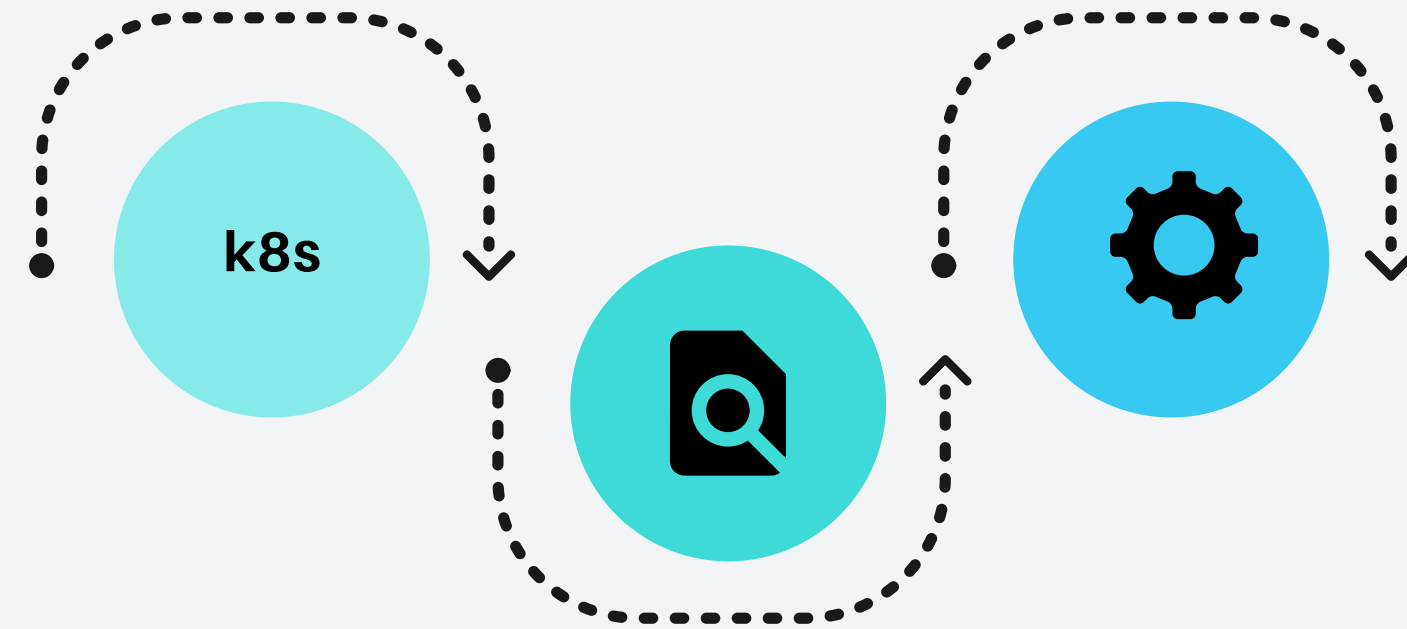
**06**

WRAP UP

# CLIENT-GO, API, AND APIMACHINERY



# Connect to k8s



**1 -k8s cluster**

**2 - kubeconfig**

**3-clientset**

Creative team gathers materials and inspiration.

We brainstorm to get the final idea.

# MANAGING RESOURCES

- 01** Pods
- 02** Services
- 03** Deployments
- 04** StatefulSets
- 05** CONFIGMAPS
- 06** NAMESPACES

# CONTROLLERS AND OPERATORS



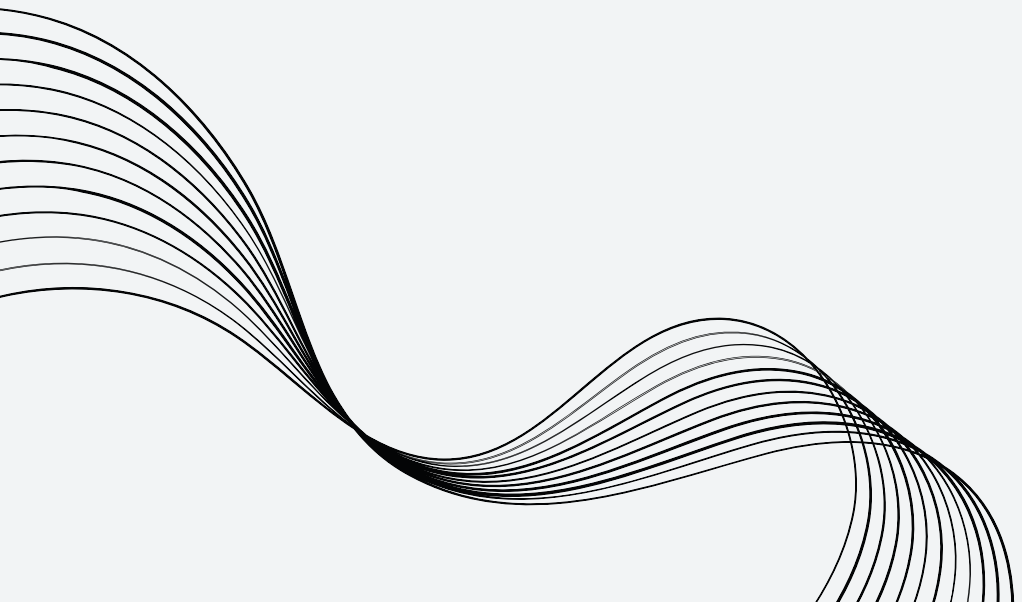
key components



How it fits into building cloud-native applications



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# WRAP UP

## Resources

Client Go	<a href="https://github.com/kubernetes/client-go"><u>https://github.com/kubernetes/client-go</u></a>
API	<a href="https://github.com/kubernetes/api"><u>https://github.com/kubernetes/api</u></a>
apimachinery	<a href="https://github.com/kubernetes/apimachinery"><u>https://github.com/kubernetes/apimachinery</u></a>
Controller	<a href="https://github.com/kubernetes-sigs/controller-runtime"><u>https://github.com/kubernetes-sigs/controller-runtime</u></a>
Kubebuilder	<a href="https://github.com/kubernetes-sigs/kubebuilder"><u>https://github.com/kubernetes-sigs/kubebuilder</u></a>
example	<a href="https://github.com/mohamed-abdelrhman/conf42-k8-with-go"><u>https://github.com/mohamed-abdelrhman/conf42-k8-with-go</u></a>