



Istio Day  
NORTH AMERICA

# Lightning Talk

# **Sail-Operator: Making Seamless Istio Upgrades Easy**

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# About



**November 12, 2024**  
**Salt Lake City**



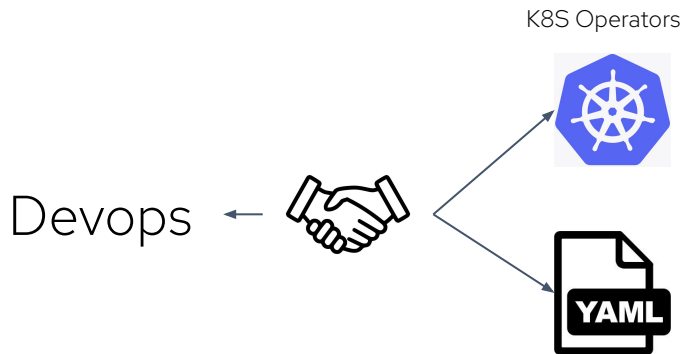
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Senior QE  
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# The value of Sail-Operator

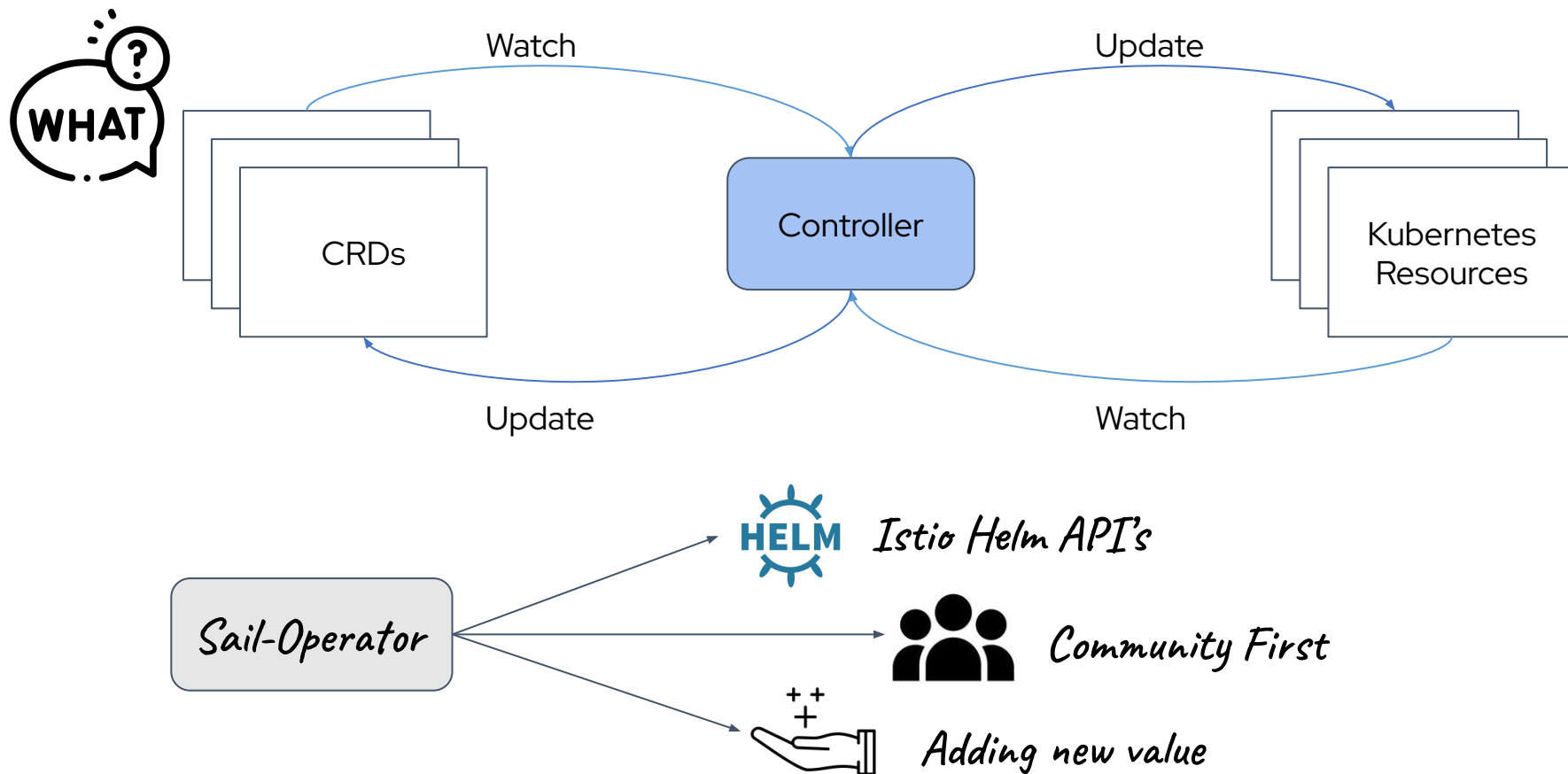
- Istio upgrades can be complex and manual.
- Official in-cluster Istio operator deprecated.
- Need for a user-friendly robust alternative to manage Istio deployments.



**In-Cluster Operator**

**DEPRECATED**

# Automating Istio with a K8S operator



# It's designed for Canary Upgrades

- It's a lot like replacing a bridge!
- Two control planes at the same time
- Migrate workloads at your own pace

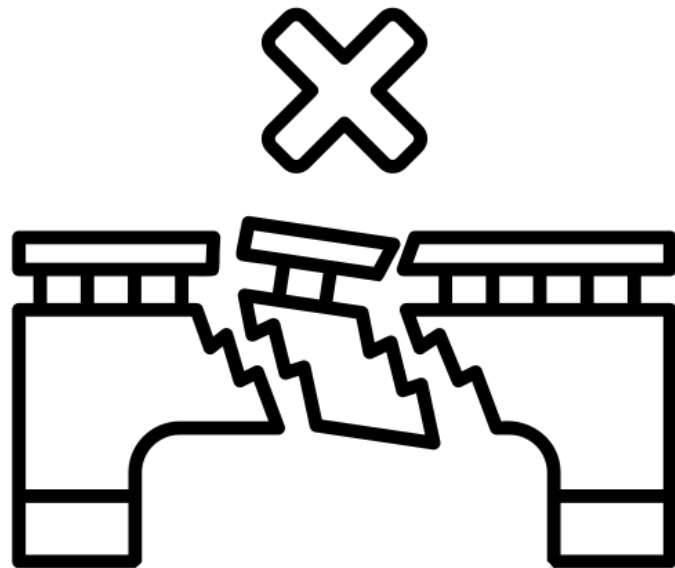
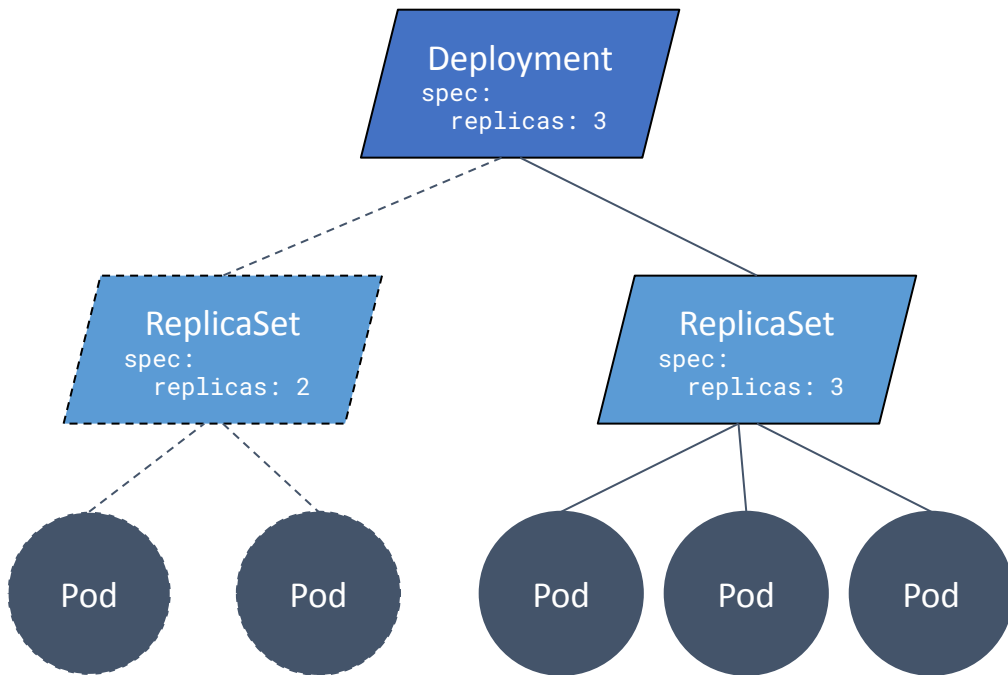


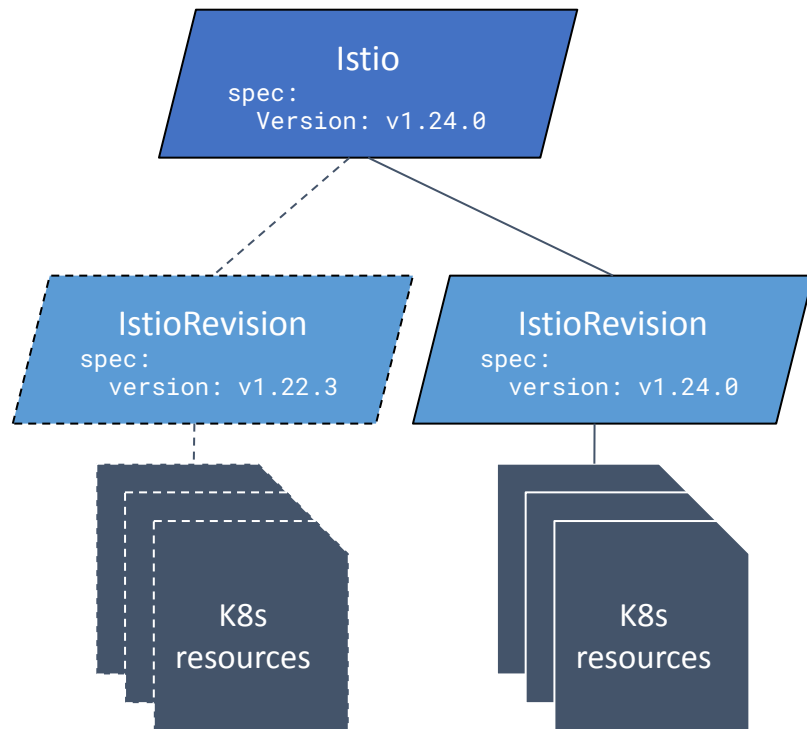
image: Flaticon.com

# We're using familiar API concepts

## Deployment, ReplicaSet and Pod



## Istio & IstioRevision



- Operator installation
- Revision based update demo
- Migrate workloads without downtime using stable revision tag



# Get Involved!

## Find us at

<https://github.com/istio-ecosystem/sail-operator>

#sail-operator channel on Istio Slack

- We're a globally distributed team
- Work happens asynchronously

