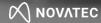


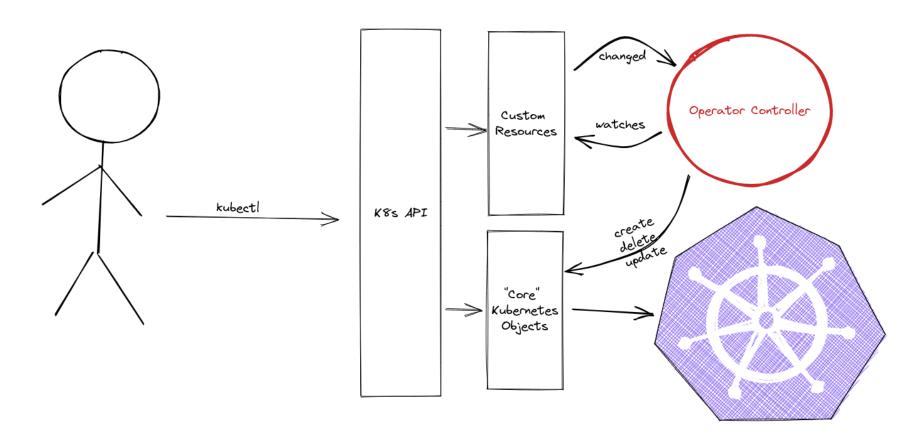
## **Agenda**

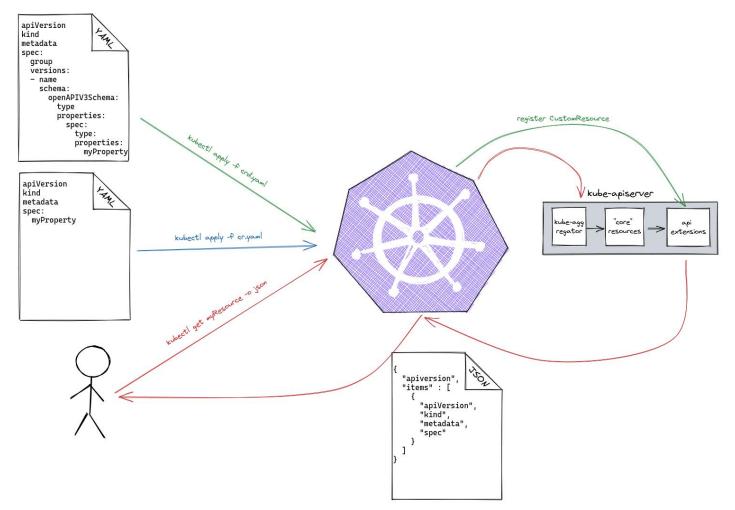
- Operator What is that?
  - Custom Ressource Definition
  - Controllers
- 2. Working with existing operators
  - Finding
  - Deploying
  - Using
- 3. Developing your own operator
  - Operator SDK using helm
  - Java using fabric8
- 4. Recap

# What's a K8s operator

About K8s extendability, CRDs and Aggregation Layers



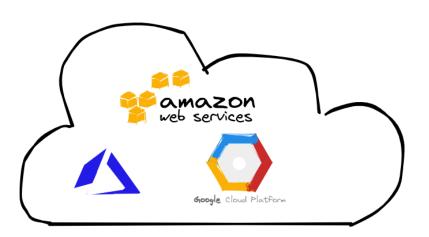




## How does this help us?

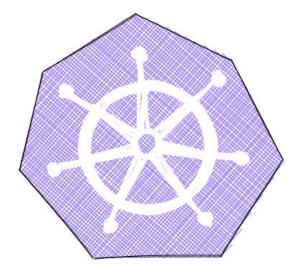
#### **Use existing operator**

Manage cloud resources from within your K8s cluster



### Write your own

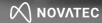
Bundle your deployments / Toolings in one operator





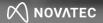
# Working with operators

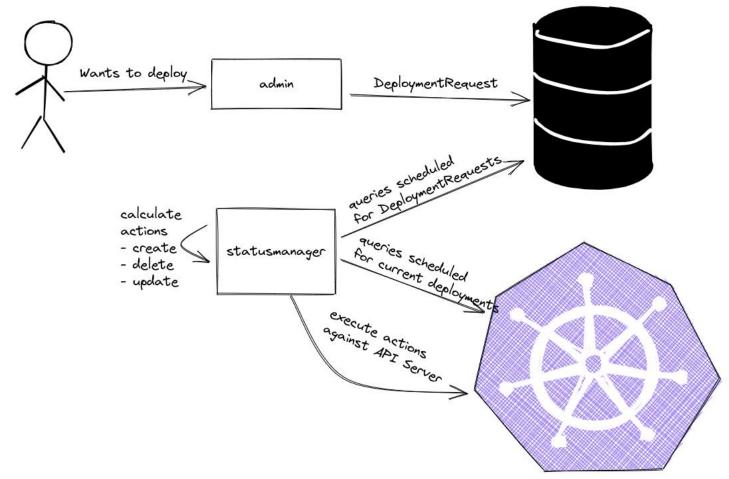
Finding, deploying and using operators

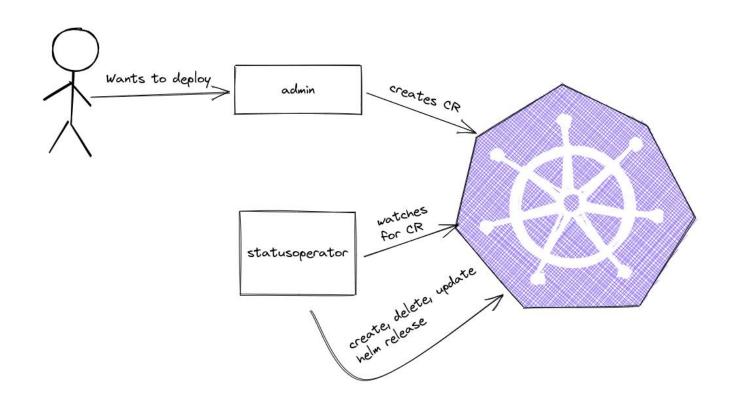


# Developing your operator

Operator SDK and Helm or fabric8 and Java



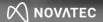






## Recap

When should you use a operator AND when shouldn't you



## Recap

### When / Why to use

- Ease of use
  - Using existing Operators
  - Deploying operators as K8s Deplyoments
- Simplifying Cloud
  - Common understandment of Cloud resources
  - Bundle Cloud Resources and Application
- K8s Native Applications
  - Interact with your Plattform
  - Integrate in K8s to use full potential

### When / Why not to use

- Maintenance
  - Who is responsible for operator
- Development
  - Treat your operator as a feature, which costs development time
  - Less focus on Business Logic
- Trust the Operator
  - RBAC setup and vast permissions for Operator to work needed
  - What does the operator do behind the scence -> Strip down "magic"





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Github: https://github.com/Etone/kubernetes-sample-operators

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