How to never go shopping Groceries again ..

Or, how to explain GitOps to your manager.

Max Dargatz
Senior Solution Architect
Red Hat



The typical weekly Shopping trip

... and its challenges.











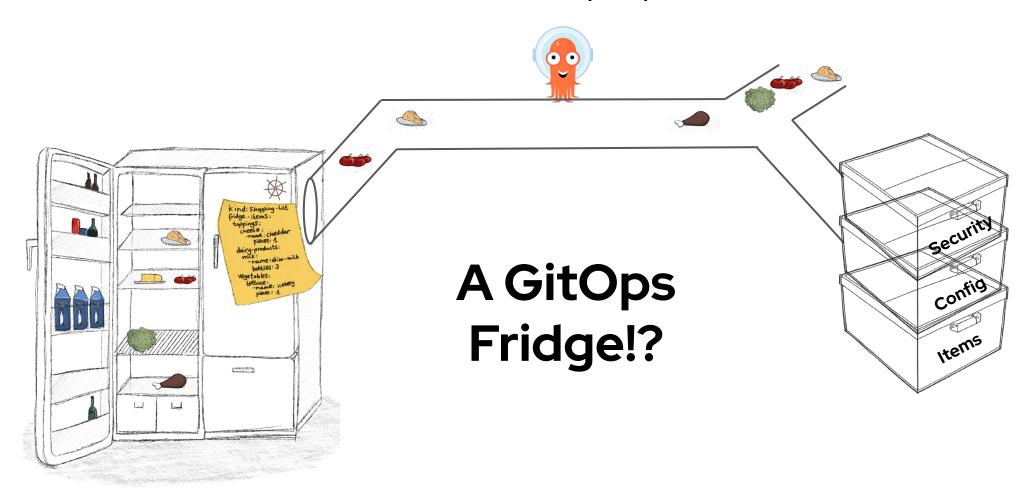
The question comes to mind ...

Can we solve those problems?

(after all in IT - we did!)

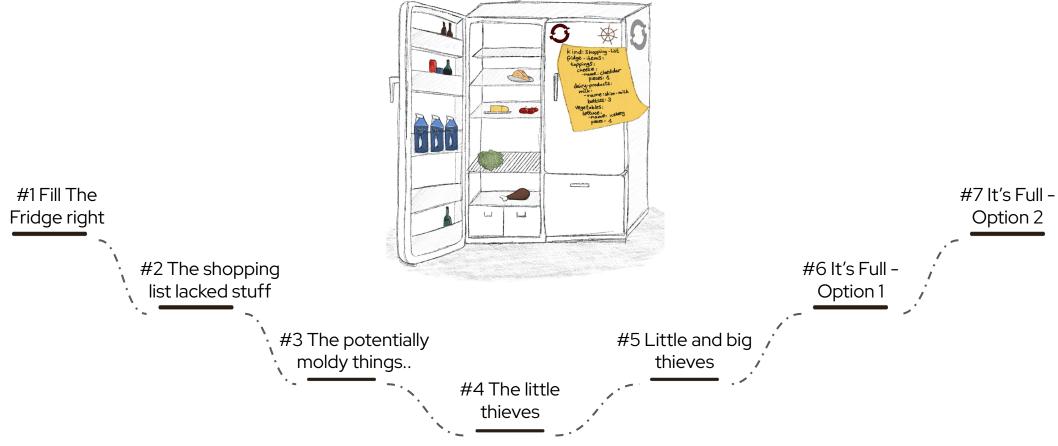


I want to make a proposal ...

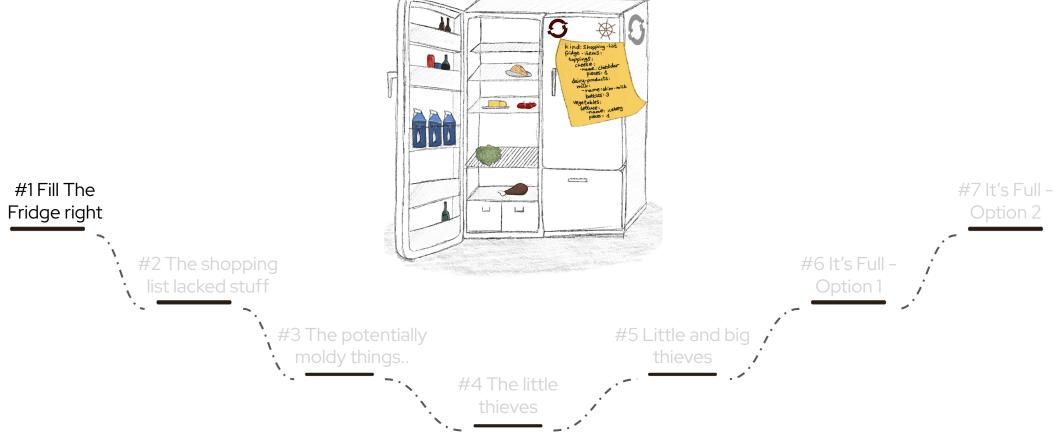




One-by-one: How would a GitOps Fridge Work?

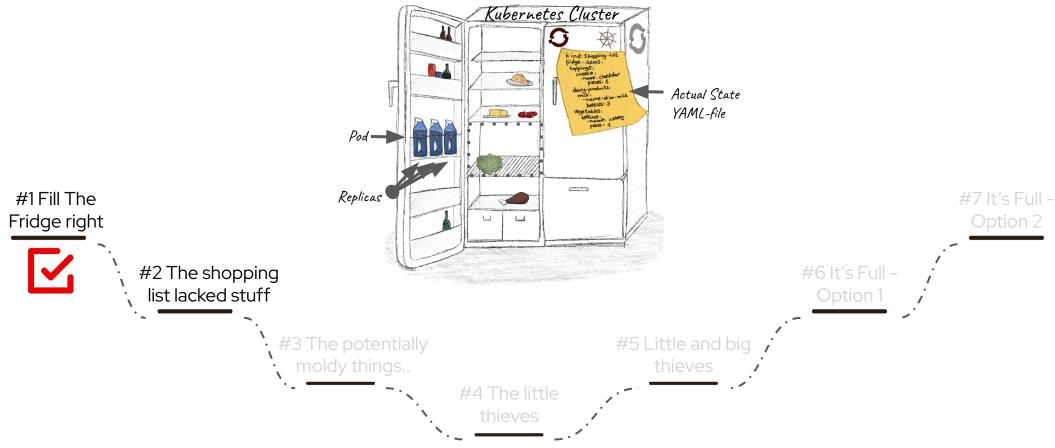








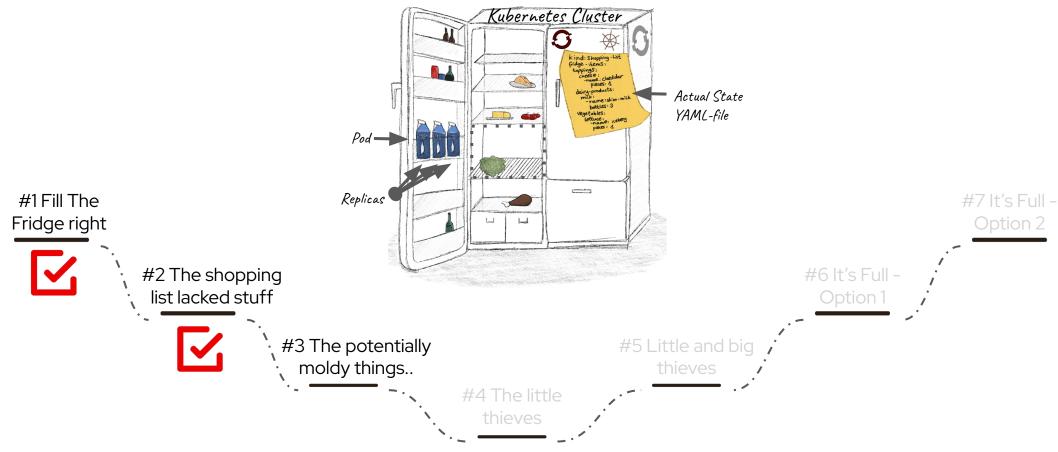
```
apiVersion: fridge/v1
kind: FridgeItems
items:
 vegetables:
   - name: tomatoes
     replicas: 2
 candy:
    - name: chocolatebar
      replicas: 2
  dairy-products:
    - name: milk
      replicas: 3
    - name: ...
```





```
## update only
apiVersion: fridge/v1
kind: FridgeItems
items:
  vegetables:
    - name: tomatoes
      replicas: 3
```

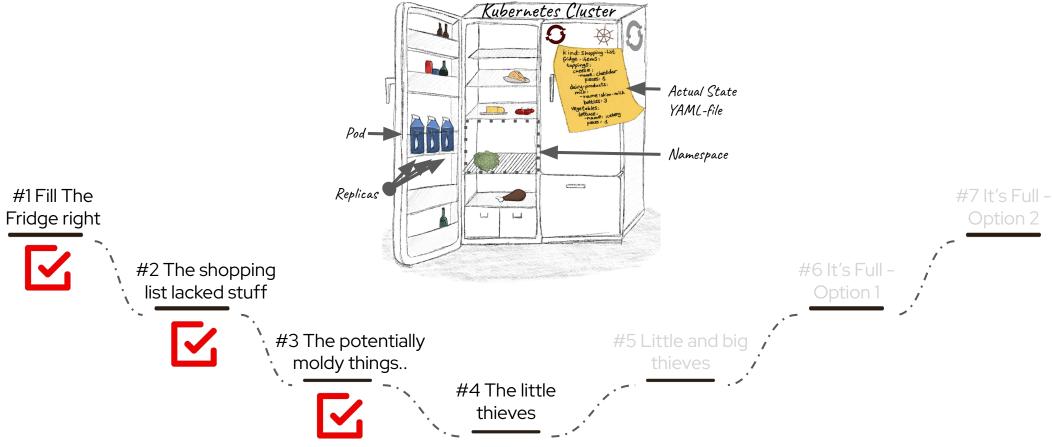




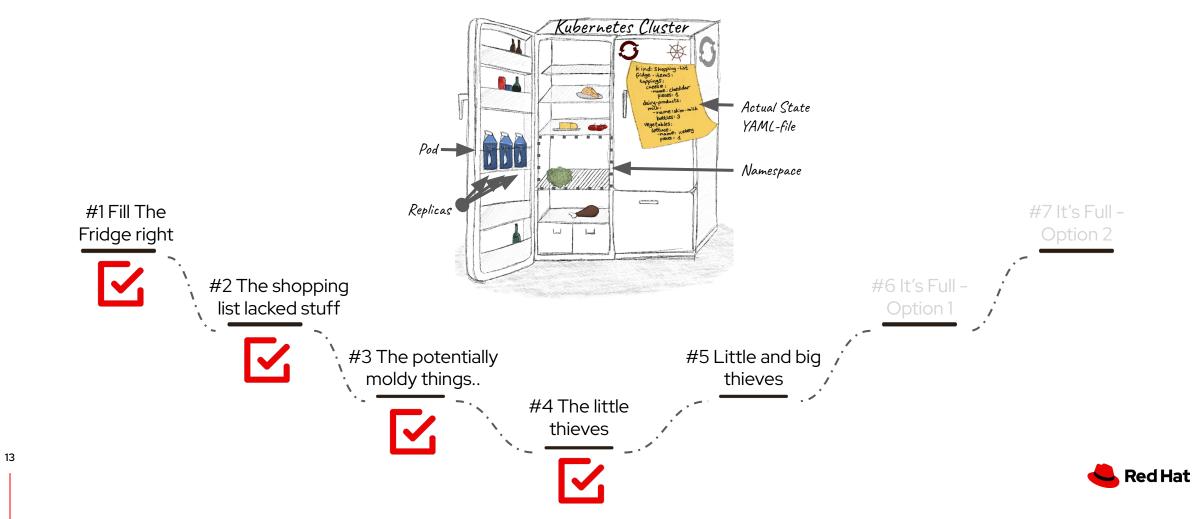


```
apiVersion: fridge/v1
kind: FridgeItems
items:
  fruits:
    - name: oranges
      replicas: 5
      compartment: potentiallymoldy
```









apiVersion: fridge/v1 kind: FridgeAccess

accesstype:

- name: fullfridgeaccess

compartments: all

famMemberRef:

- name: parents

- name: limited

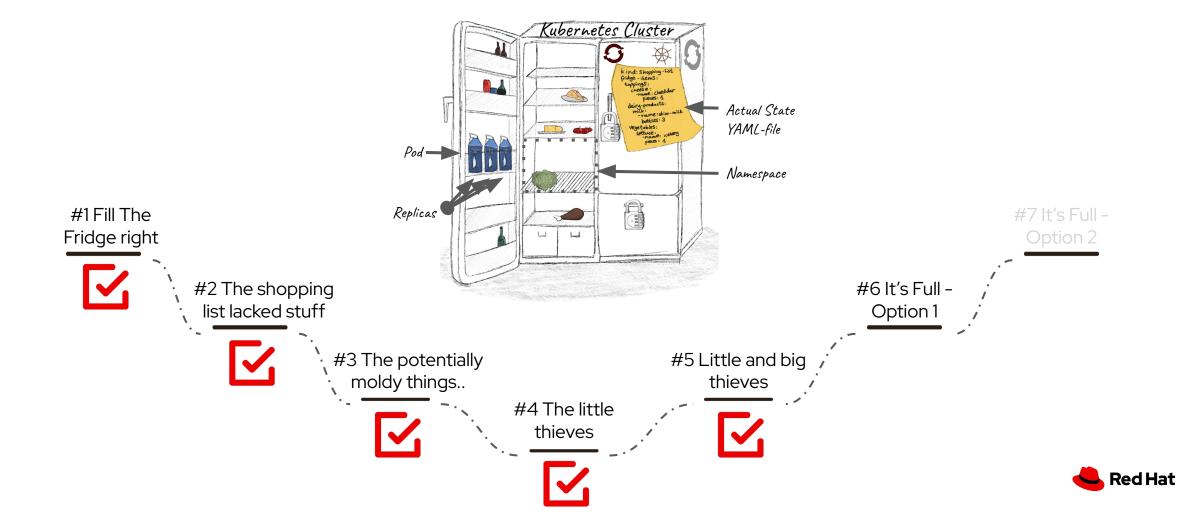
compartments: potentially-moldy

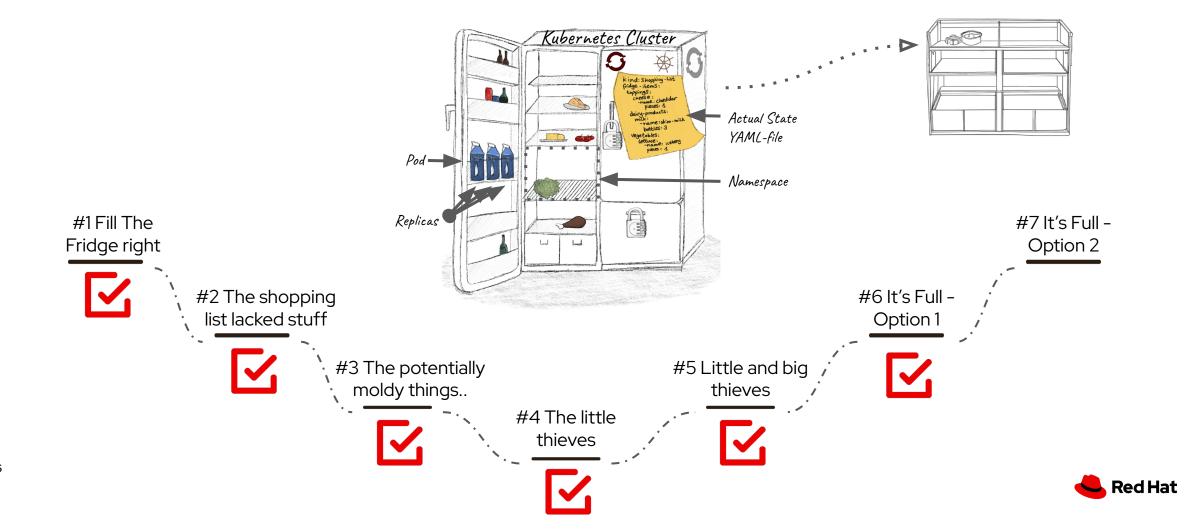
famMemberRef:

- name: kids

- name: littleThieves







apiVersion: fridge/v1

kind: FridgeSize

compartments:

- name: topofthefridge

location: top

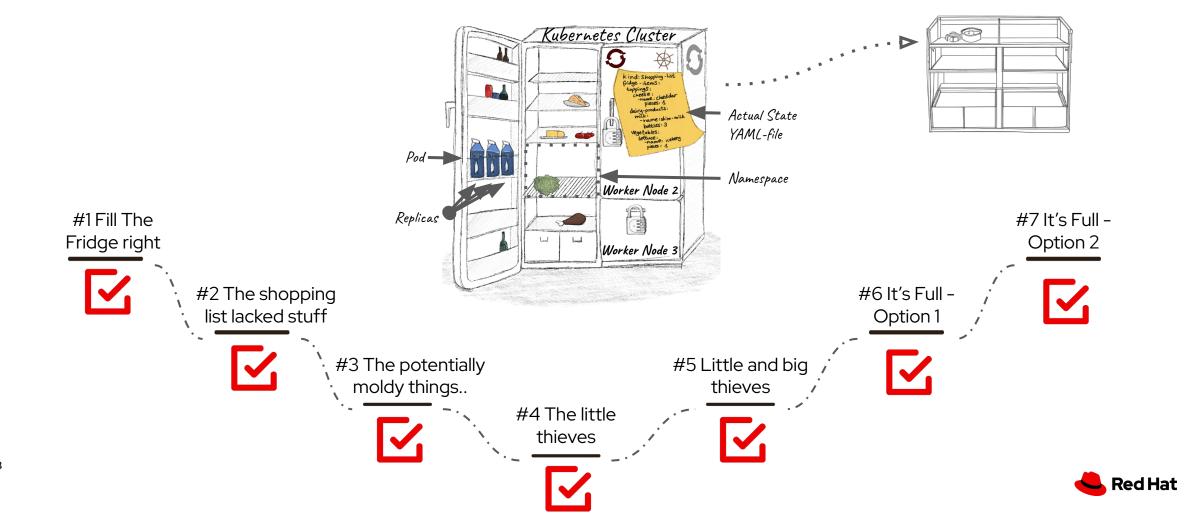
- name: potentially-moldy

location: middle

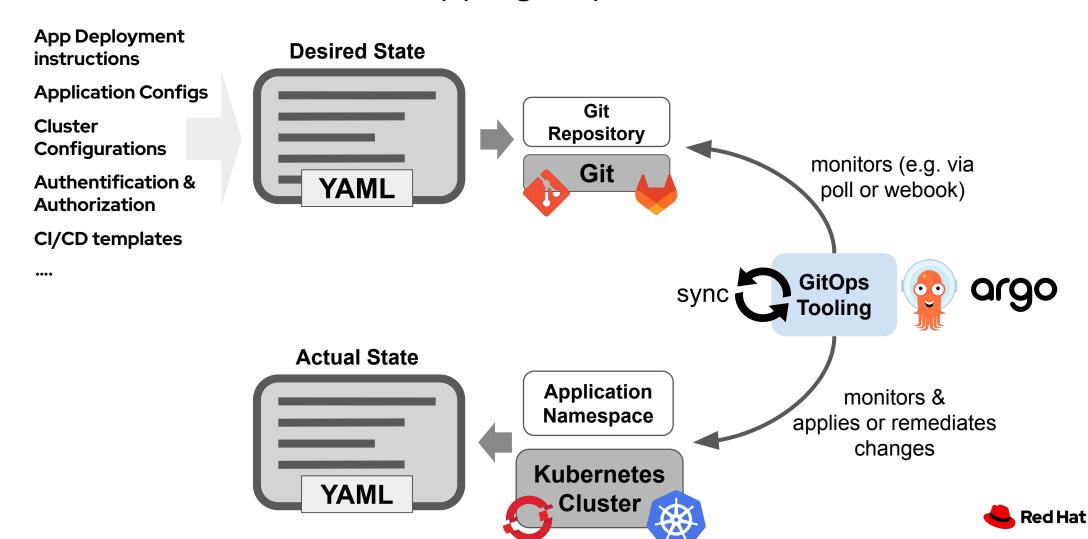
- name: freezer

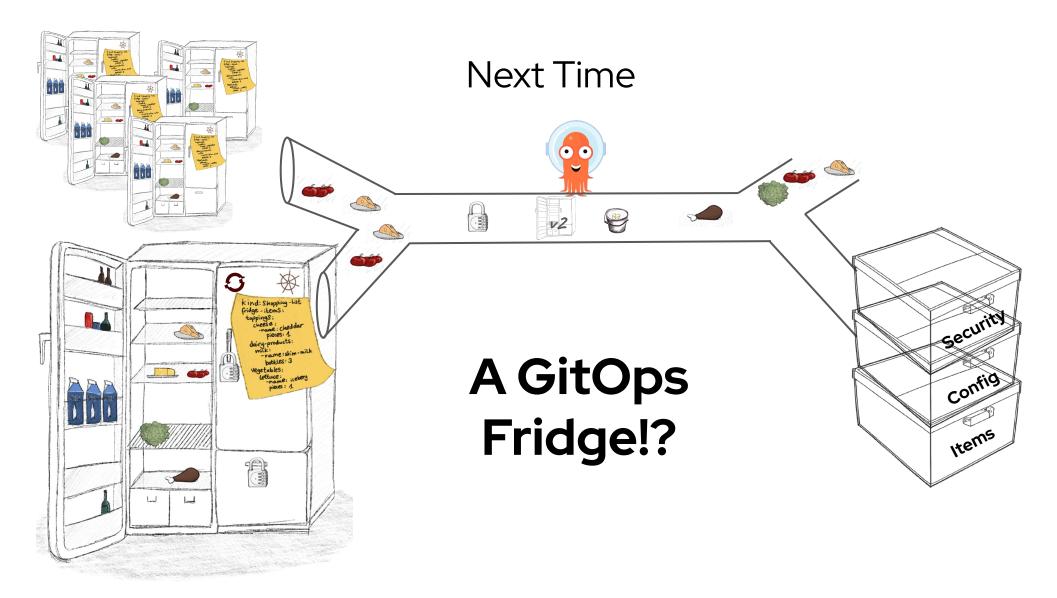
location: bottom





Wrapping it up!







```
apiVersion: fridge/v1
kind: FridgeItems
items:
  beverages:
     - name: beer
       replicas: 100
     - name: wine
       replicas: ...
```



Thank you

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