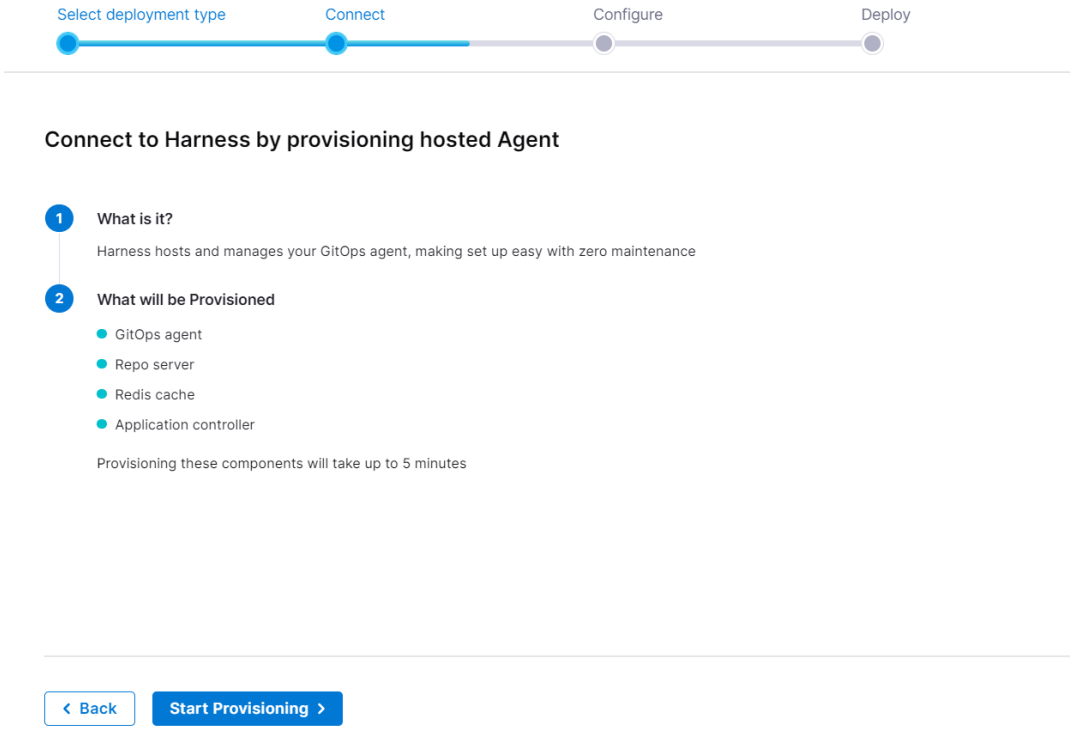
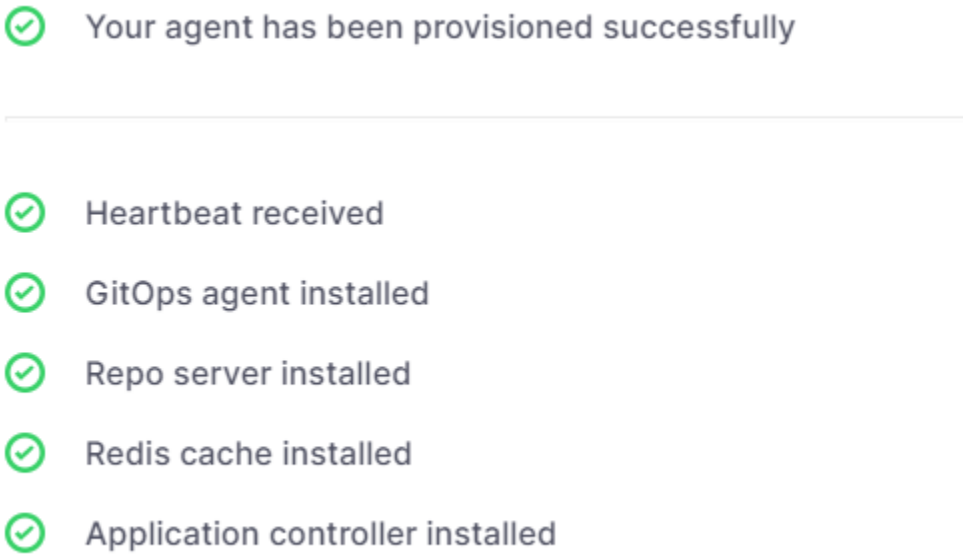
Kubernetes GitOps

Selecting deployment type:

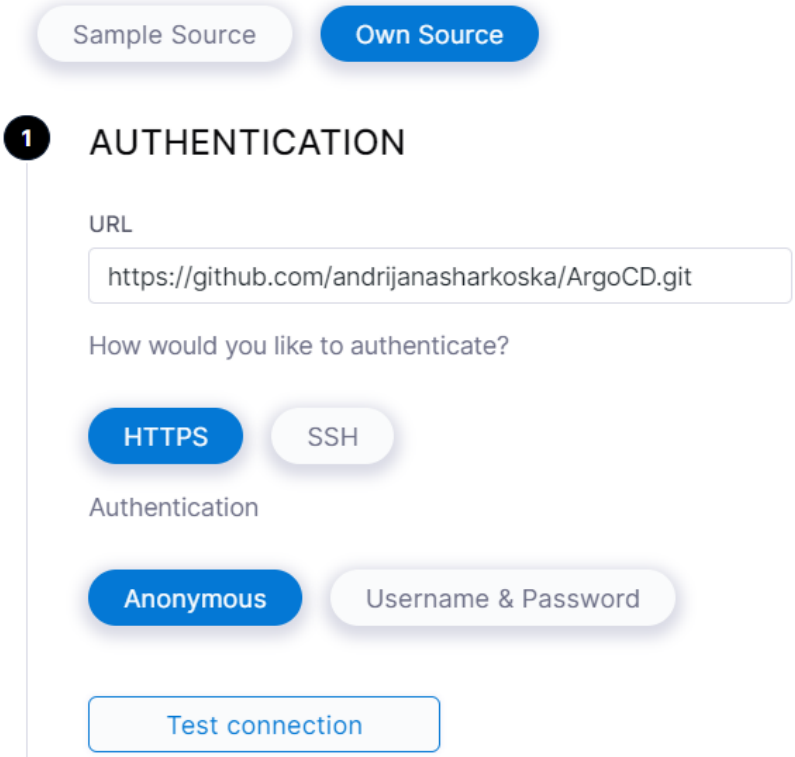
Provisioning the environment:



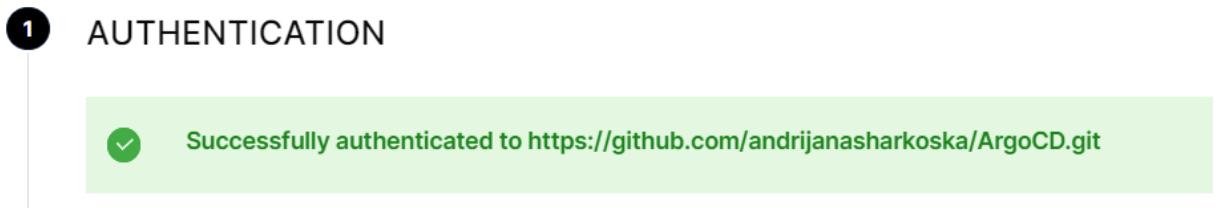
Provisioning the agent:



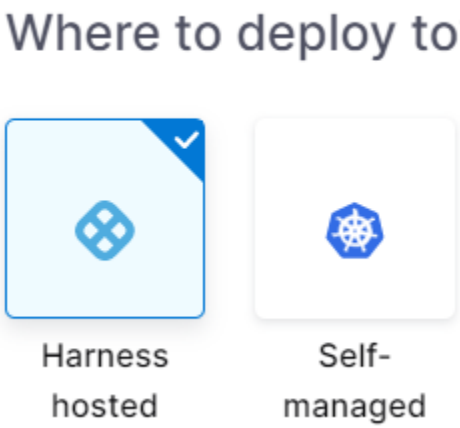
Adding the source code from my GitHub repo that I forked earlier:



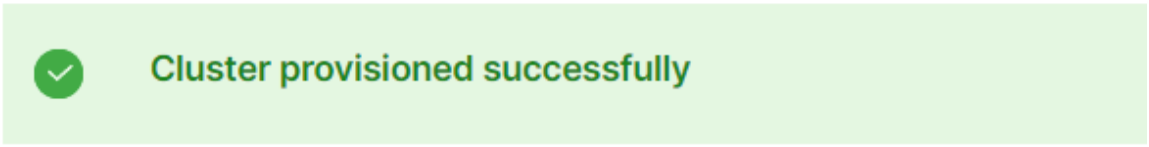
Successful authentication:



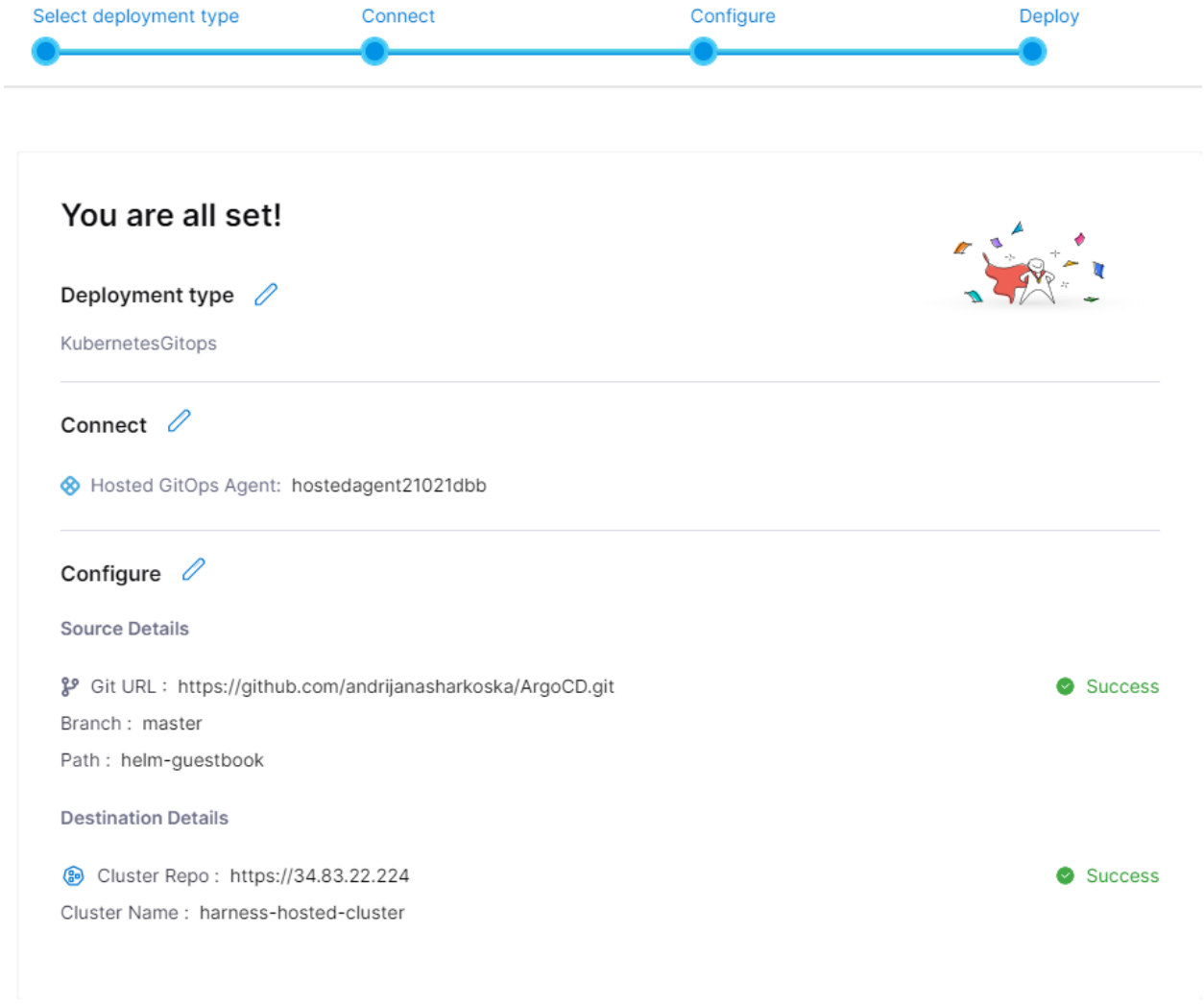
My source of deployment is Harness hosted:



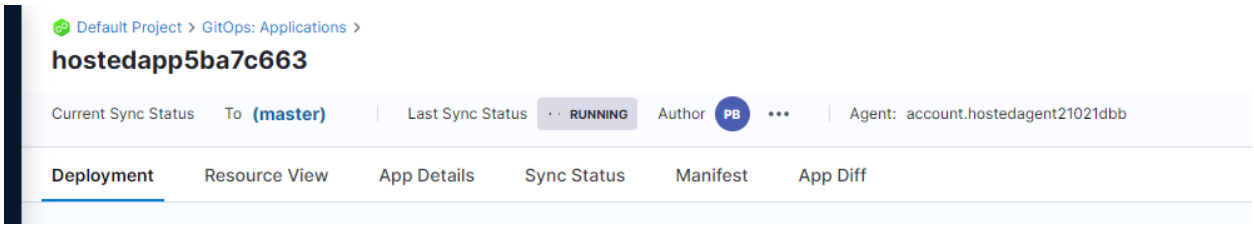
The cluster was provisioned successfully:



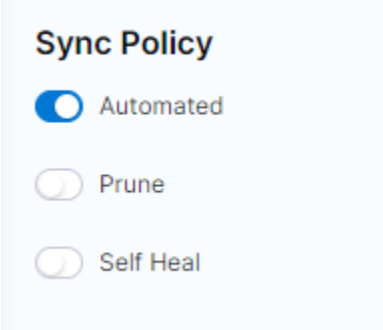
All set!



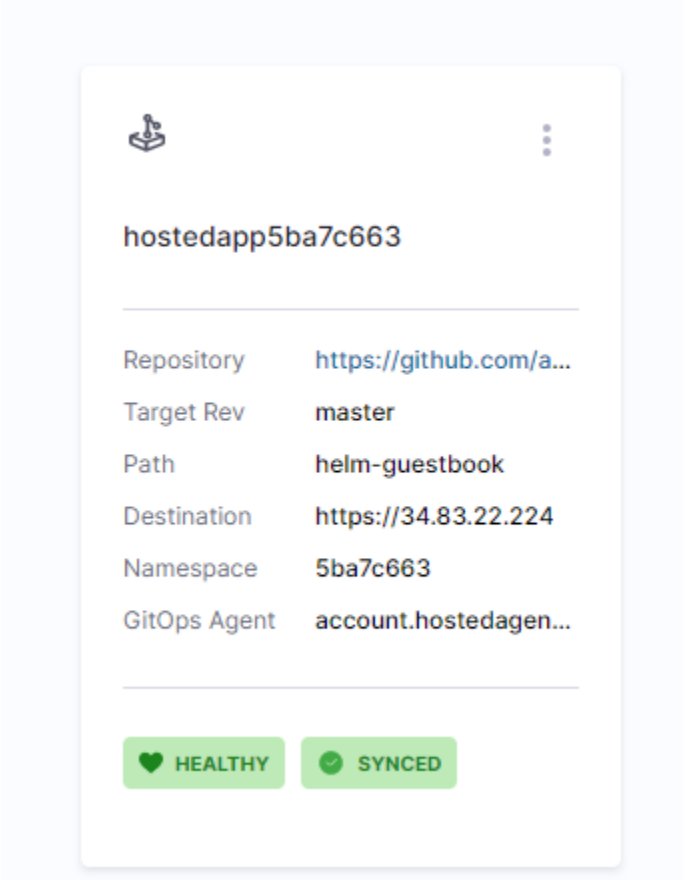
The sync status is set to “running” in my hosted app



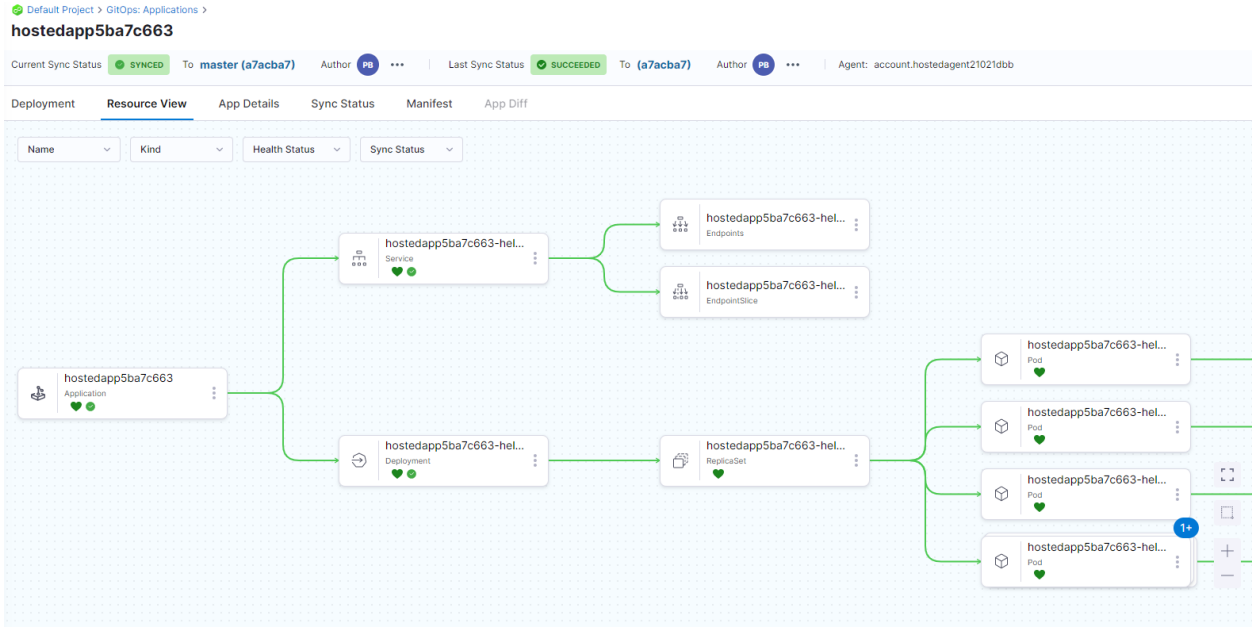
Setting the Sync Policy to “Automated”:

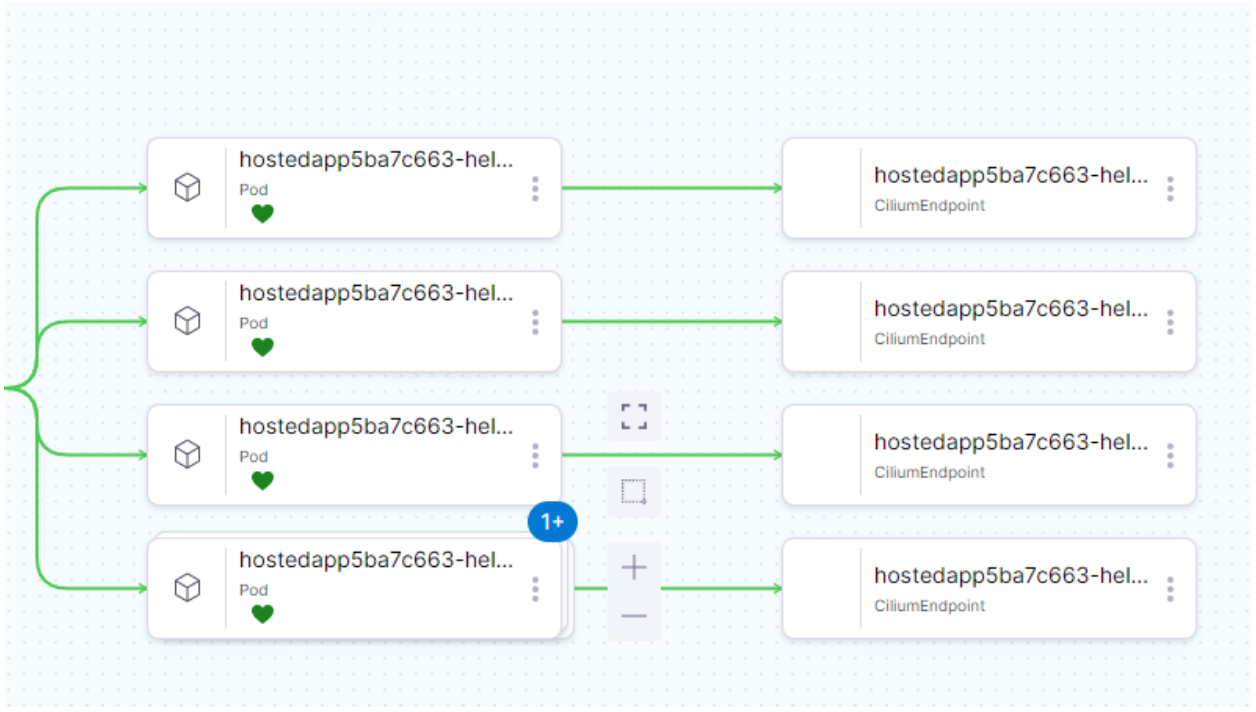


Here’s my application healthy and synced in the GitOps dashboard:



The overview of the app with 4 replicas running:

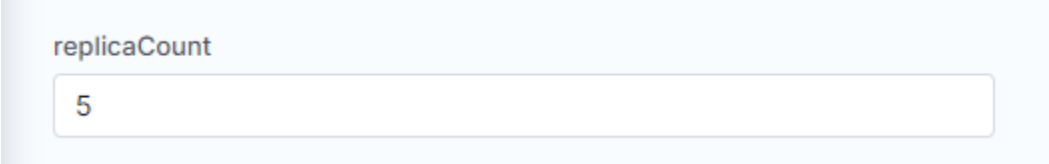




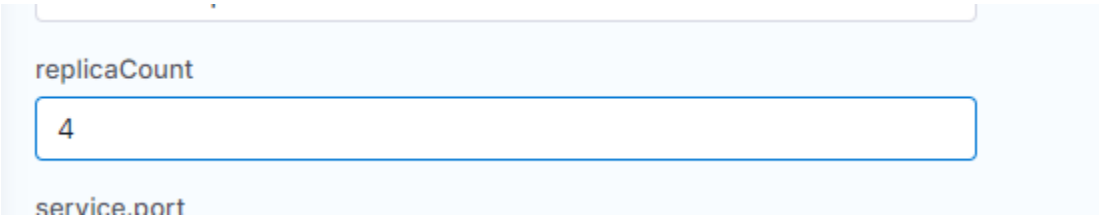
In the yaml file in the GitHub repo, the number of replicas was already set to 5

```yaml
# Default values for helm-guestbook.
# This is a YAML-formatted file.
# Declare variables to be passed into your templates.

replicaCount: 5

image:
  repository: gcr.io/heptio-images/ks-guestbook-demo
  tag: 0.1
  pullPolicy: IfNotPresent

service:
  type: ClusterIP
  port: 80

ingress:
  enabled: false
  annotations: {}
    # kubernetes.io/ingress.class: nginx
    # kubernetes.io/tls-acme: "true"
  path: /
  hosts:
```

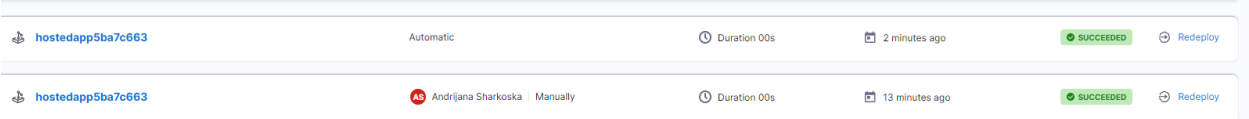
- And I've also checked this number in Harness, it was automatically set to 5 since the app was synced from the GitHub code with an already-defined number of replicas to 5, so probably that's the reason of it being automatically set.



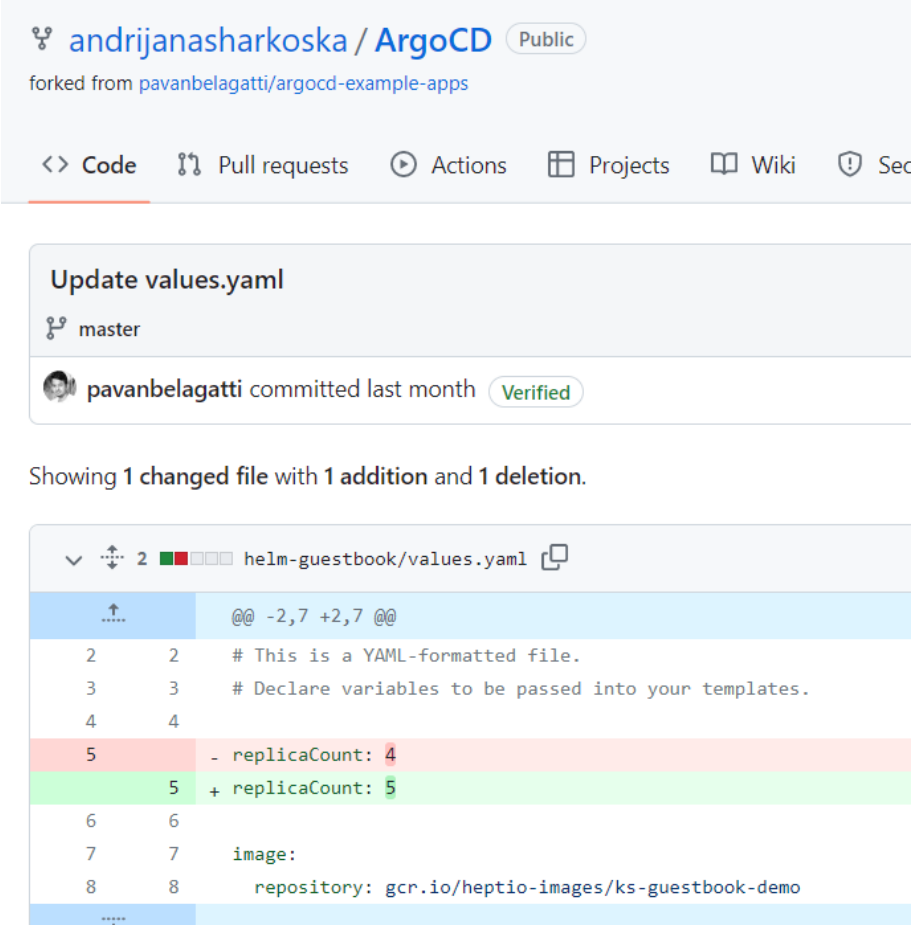
Changing the number of replicas to 4 to trigger action and get the automated policy applied:



Here are the two deployments, one automatic and one manual:



Here are the changes in GitHub:



After changing the number of replicas back to 5 again, I was able to trigger the automatic sync and get 5 pods: