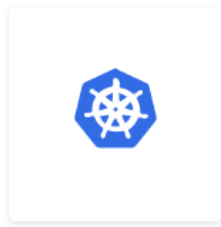


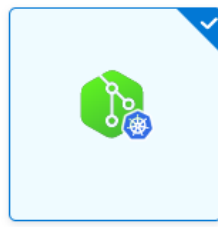
# Kubernetes GitOps

Selecting deployment type:

## Select deployment type



Kubernetes



Kubernetes with  
GitOps

Provisioning the environment:



### Connect to Harness by provisioning hosted Agent

- 1 What is it?  
Harness hosts and manages your GitOps agent, making set up easy with zero maintenance
- 2 What will be Provisioned
  - GitOps agent
  - Repo server
  - Redis cache
  - Application controller

Provisioning these components will take up to 5 minutes

[< Back](#)

[Start Provisioning >](#)

Provisioning the agent:

✔ Your agent has been provisioned successfully

---

✔ Heartbeat received

✔ GitOps agent installed

✔ Repo server installed

✔ Redis cache installed

✔ Application controller installed

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

Sample Source

Own Source

## 1 AUTHENTICATION

URL

`https://github.com/andrijanasharkoska/ArgoCD.git`

How would you like to authenticate?

HTTPS

SSH

Authentication

Anonymous

Username & Password

Test connection

Successful authentication:

## 1 AUTHENTICATION



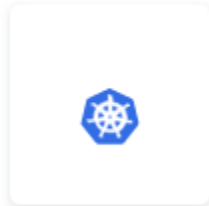
Successfully authenticated to <https://github.com/andrijanasharkoska/ArgoCD.git>

My source of deployment is Harness hosted:

## Where to deploy to?



Harness  
hosted



Self-  
managed

The cluster was provisioned successfully:



Cluster provisioned successfully

All set!


Select deployment type

Connect


Configure


Deploy


## You are all set!

Deployment type 



KubernetesGitops

Connect 

 Hosted GitOps Agent: hostedagent21021dbb

Configure 



Source Details

 Git URL : <https://github.com/andrijanasharkoska/ArgoCD.git>  Success

Branch : master


Path : helm-guestbook

Destination Details

 Cluster Repo : <https://34.83.22.224>  Success

Cluster Name : harness-hosted-cluster

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

 Default Project > [GitOps: Applications](#) >

**hostedapp5ba7c663**

Current Sync Status

To **(master)**

Last Sync Status **.. RUNNING**

Author **PB** ...

Agent: account.hostedagent21021dbb

Deployment

Resource View

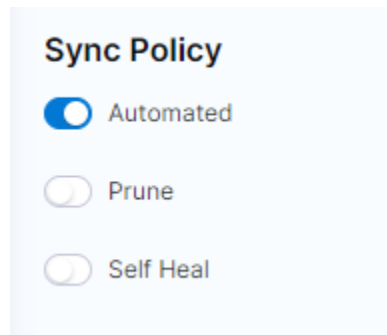
App Details

Sync Status

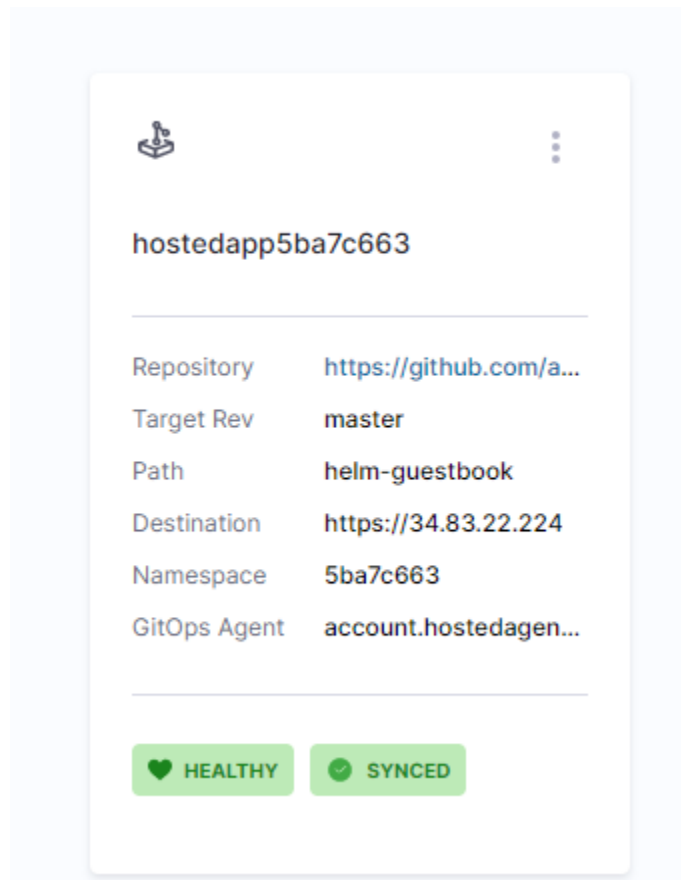
Manifest

App Diff

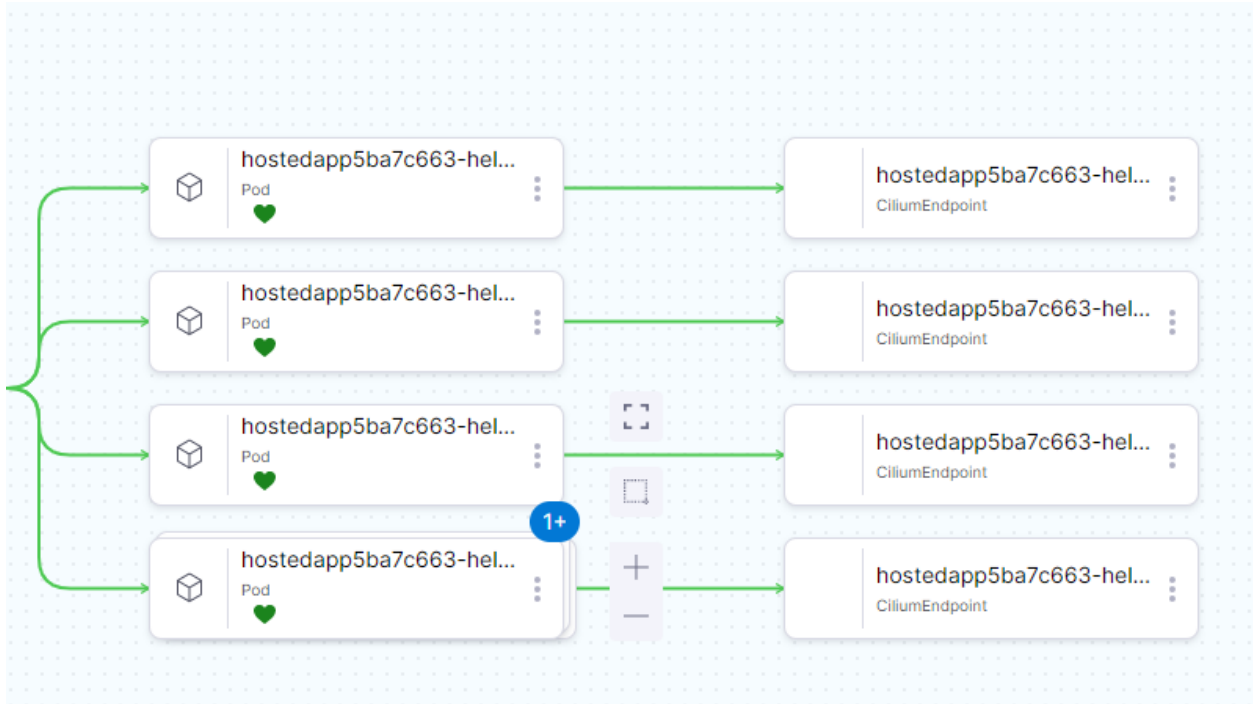
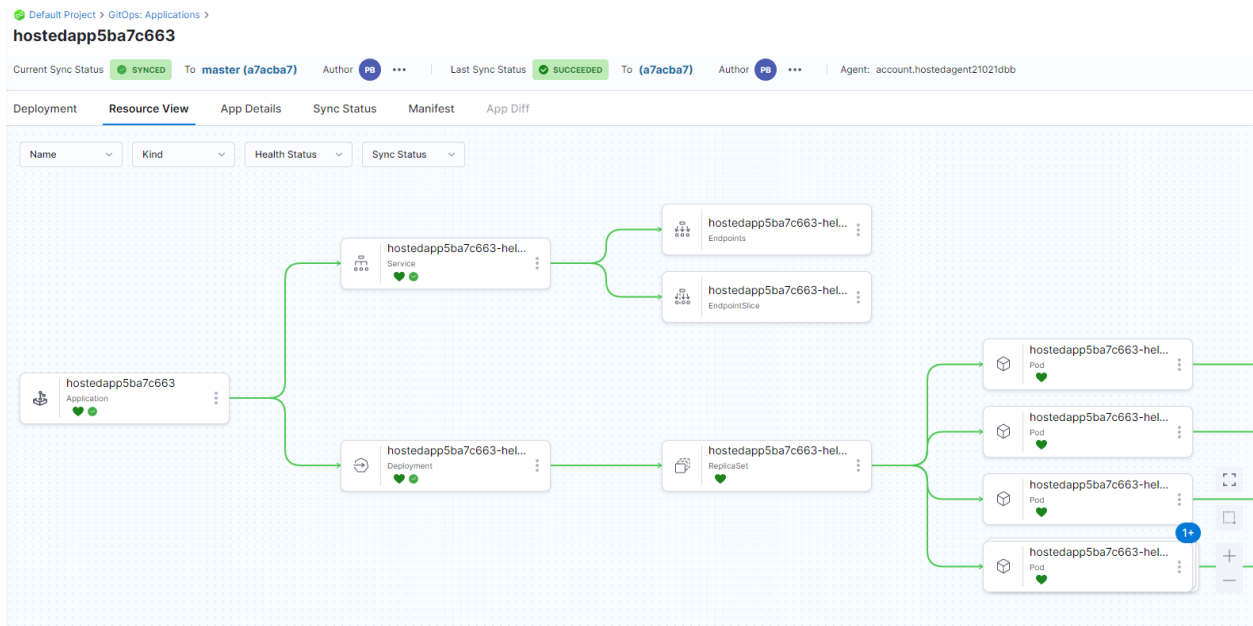
Setting the Sync Policy to “Automated”:



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



The overview of the app with 4 replicas running:



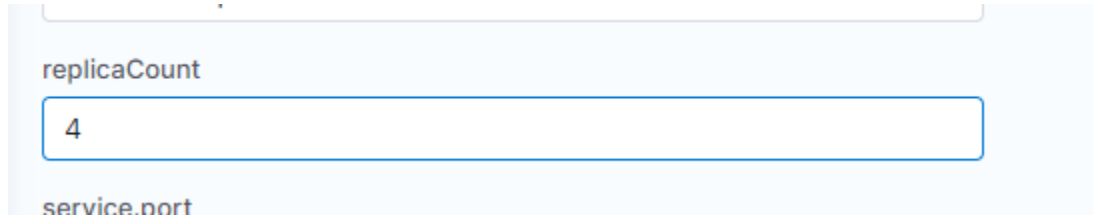
In the yaml file in the GitHub repo, the number of replicas was already set to 5

```
1  # Default values for helm-guestbook.
2  # This is a YAML-formatted file.
3  # Declare variables to be passed into your templates.
4
5  replicaCount: 5
6
7  image:
8    repository: gcr.io/heptio-images/ks-guestbook-demo
9    tag: 0.1
10   pullPolicy: IfNotPresent
11
12  service:
13    type: ClusterIP
14    port: 80
15
16  ingress:
17    enabled: false
18    annotations: {}
19      # kubernetes.io/ingress.class: nginx
20      # kubernetes.io/tls-acme: "true"
21    path: /
22    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.




replicaCount

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

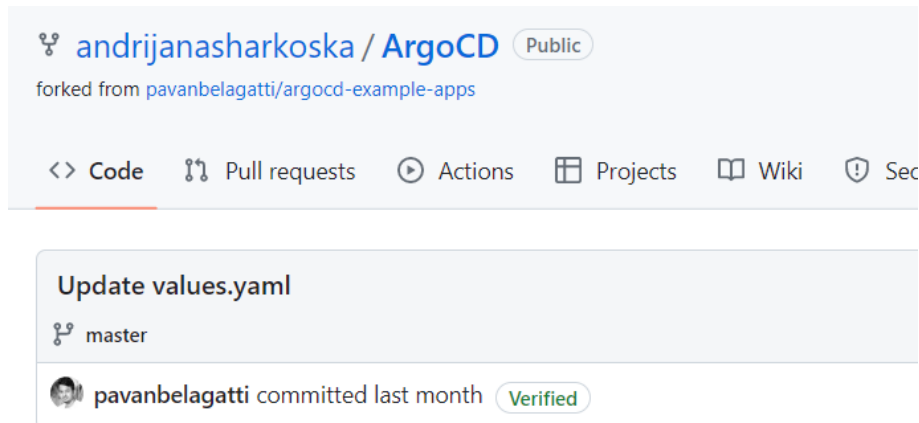


A screenshot of a Helm chart configuration interface. It shows a label 'replicaCount' above a text input field containing the number '4'. Below the input field, the text 'service.port' is partially visible.

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

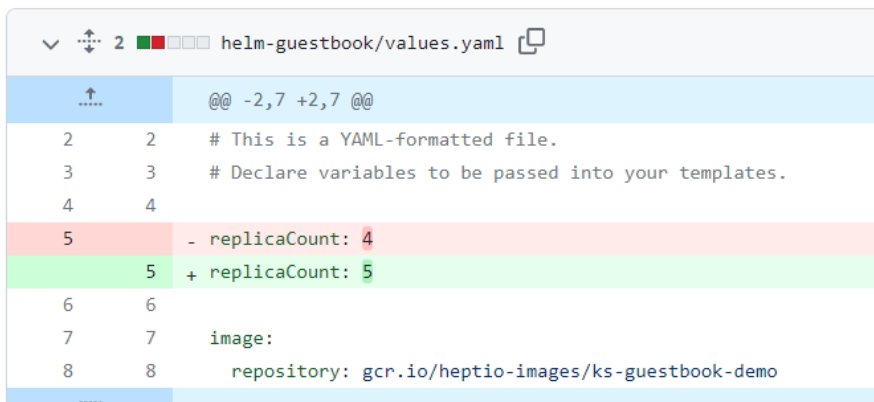
 hostedapp5ba7c663	Automatic	⌚ Duration 00s	🕒 2 minutes ago	✅ SUCCEEDED	🔄 Redeploy
 hostedapp5ba7c663	 Andrijana Sharkoska   Manually	⌚ Duration 00s	🕒 13 minutes ago	✅ SUCCEEDED	🔄 Redeploy

Here are the changes in GitHub:



A screenshot of a GitHub repository page for 'andrijanasharkoska / ArgoCD'. It shows a commit titled 'Update values.yaml' on the 'master' branch by user 'pavanbelagatti', committed last month. The commit is verified. Below the commit information, there is a section for 'Showing 1 changed file with 1 addition and 1 deletion.'.

Showing 1 changed file with 1 addition and 1 deletion.



A screenshot of a GitHub diff view for the file 'helm-guestbook/values.yaml'. It shows a comparison between two versions of the file. The diff highlights changes to the 'replicaCount' variable. The original value was 5, and the new value is 4. The diff is shown with a red background for the deletion and a green background for the addition.

Line	Original	Changes	New Line
2	2		2
3	3		3
4	4		4
5	- replicaCount: 5		
		+ replicaCount: 4	5
6	6		6
7	7		7
8	8		8



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

