Argo Events:

Argo Events setup

kubectl create namespace argo-events

kubectl apply -f https://raw.githubusercontent.com/argoproj/argo-events/stable/manifests/install.yaml

# Install with a validating admission controller

kubectl apply -f <https://raw.githubusercontent.com/argoproj/argo-events/stable/manifests/install-validating-webhook.yaml>

Deploy Event bus

apiVersion: argoproj.io/v1alpha1

kind: EventBus

metadata:

name: default

spec:

nats:

native:

# Optional, defaults to 3. If it is < 3, set it to 3, that is the minimal requirement.

replicas: 3

# Optional, authen strategy, "none" or "token", defaults to "none"

auth: token

kubectl apply -n argo-events -f <https://raw.githubusercontent.com/argoproj/argo-events/stable/examples/eventbus/native.yaml>

kubectl -n argo-events apply -f https://raw.githubusercontent.com/argoproj/argo-events/stable/examples/event-sources/webhook.yaml

kubectl -n argo-events apply -f <https://raw.githubusercontent.com/argoproj/argo-events/stable/examples/sensors/webhook.yaml>

kubectl get pods -n argo-events

root@dev:/home/amit/argo-setup# kubectl get pods -n argo-events

NAME READY STATUS RESTARTS AGE

controller-manager-75bd6c7747-5sdq4 1/1 Running 0 108m

eventbus-default-stan-0 2/2 Running 0 91m

eventbus-default-stan-1 2/2 Running 0 90m

eventbus-default-stan-2 2/2 Running 0 90m

events-webhook-56dff8b857-7z28m 1/1 Running 0 108m

webhook-eventsource-2pffp-7f8f577767-9cbc4 1/1 Running 0 111s

webhook-sensor-tdh8b-65dd848bc5-62sdz 1/1 Running 0 105s

root@dev:/home/amit/argo-setup# kubectl -n argo-events port-forward webhook-eventsource-2pffp-7f8f577767-9cbc4 12000:12000

Forwarding from 127.0.0.1:12000 -> 12000

Forwarding from [::1]:12000 -> 12000

^Croot@dev:/home/amit/argo-setup#

root@dev:/home/amit/argo-setup# kubectl get pods -n argo-events

NAME READY STATUS RESTARTS AGE

controller-manager-75bd6c7747-5sdq4 1/1 Running 0 109m

eventbus-default-stan-0 2/2 Running 0 93m

eventbus-default-stan-1 2/2 Running 0 91m

eventbus-default-stan-2 2/2 Running 0 91m

events-webhook-56dff8b857-7z28m 1/1 Running 0 109m

webhook-eventsource-2pffp-7f8f577767-9cbc4 1/1 Running 0 3m4s

webhook-sensor-tdh8b-65dd848bc5-62sdz 1/1 Running 0 2m58s

root@dev:/home/amit/argo-setup# kubectl -n argo-events port-forward webhook-eventsource-2pffp-7f8f577767-9cbc4 12000:12000

Forwarding from 127.0.0.1:12000 -> 12000

Forwarding from [::1]:12000 -> 12000

Handling connection for 12000

curl -d '{"message":"this is my first webhook"}' -H "Content-Type: application/json" -X POST http://localhost:12000/example

kubectl -n argo-events get wf

argo logs -n argo-events @latest

<https://argoproj.github.io/argo-events/#triggers>

https://argoproj.github.io/argo-events/tutorials/03-trigger-sources/

S3 sensor.

kubectl create secret generic minio-creds -n argo-events --from-literal=accessKey=AKIA43KKKGRBWMQZPTOH --from-literal=secretKey=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

kubectl apply -n argo-events -f minio-eventsource.yaml

kubectl get secrets -n argo-events

kubectl -n argo-events get pod -l eventsource-name=minio

kubectl apply -n argo-events -f minio-sensor.yaml

kubectl apply -n argo-events -f minio-eventsource.yaml

kubectl -n argo-events get pod -l eventsource-name=minio