

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, authn 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
```