kopf-test

How to use

```
build main operator docker images
    docker build -t kopf/operator-test .
```

2. build nats operator docker images

```
docker build -t cheng/nats-operator-test .
```

- 3. deploy admin role
 - "' kubectl apply -f role.yaml

"

- 4. deploy CRD
 - "' kubectl apply -f crd.yaml

"

"' kubectl apply -f nats_crd.yaml

"

You will see 2 CRDs are created.

- 5. deploy operators
 - "' kubectl apply -f ./main_operator/deployment.yaml

"

"' kubectl apply -f ./main operator/nats.yaml

"

- 6. deploy new CRD object (new tenant on boarding)
 - "' kubectl apply -f obj.yaml

...

in the log of the operator, you can see step 1 and step 2 are excuted in pre-defined sequence "' 2022-01-28 08:58:55,575] kopf.objects [INFO] [default/kopf-example-1] step 1: upload blob!

[2022-01-28 08:58:55,578] kopf.objects [INFO] [default/kopf-example-1] Handler 'createblobstorge' succeeded.

[2022-01-28 08:58:55,579] kopf.objects [DEBUG] [default/kopf-example-1] Patching with: {'meta-data': {'annotations': {'kopf.zalando.org/createblobstorge': '{"started":"2022-01-28T08:58:55.429661","s 01-28T08:58:55.578644","purpose":"create","retries":1,"success":true,"failure":false}'}}, 'status': {'kopf':

```
{'progress': {'createblobstorge': {'started': '2022-01-28T08:58:55.429661', 'stopped': '2022-01-28T08:58:55.578644', 'delayed': None, 'purpose': 'create', 'retries': 1, 'success': True, 'failure': False, 'message': None, 'subrefs': None}}}, 'createblobstorge': {'name': 'my_blob'}}}
```

[2022-01-28 08:58:55,610] kopf.objects [DEBUG] [default/kopf-example-1] Sleeping was skipped because of the patch, 9.852868 seconds left.

[2022-01-28 08:58:55,715] kopf.objects [DEBUG] [default/kopf-example-1] Sleeping for 9.716797 seconds for the delayed handlers.

[2022-01-28 08:59:05,410] kopf.objects [DEBUG] [default/kopf-example-1] Patching with: {'meta-data': {'annotations': {'kopf.zalando.org/touch-dummy': '2022-01-28T08:59:05.410610'}}, 'status': {'kopf': {'dummy': '2022-01-28T08:59:05.410610'}}}

[2022-01-28 08:59:05,557] kopf.objects [DEBUG] [default/kopf-example-1] Handler 'create_nats' is invoked.

[2022-01-28 08:59:05,558] kopf.objects [INFO] [default/kopf-example-1] my_blob is created

create new nats object

[2022-01-28 08:59:05,560] kopf.objects [INFO] [default/kopf-example-1] step 2: Creating nats!

[2022-01-28 08:59:05,561] kopf.objects [INFO] [default/kopf-example-1] Handler 'create_nats' succeeded. "

```
nats operator will create resource for nats. In the main operator's log, you can see the na
```

[2022-01-28 09:07:05,650] kopf.objects [INFO] [default/nats-example-1] nats is

[2022-01-28 09:07:05,651] kopf.objects [INFO] [default/nats-example-1] step 3: do something else! [2022-01-28 09:07:05,651] kopf.objects [INFO] [default/nats-example-1] step 3: do something else! [2022-01-28 09:07:05,651] kopf.objects [INFO] [default/nats-example-1] step 3: do something else! [2022-01-28 09:07:05,651] kopf.objects [INFO] [default/nats-example-1] step 3: do something else! step 3: do something else! [2022-01-28 09:07:05,651] kopf.objects [INFO] [default/nats-example-1] step 3: do something else! step 3: do something else! [2022-01-28 09:07:05] step 3: do something else! step 3: do something else! [2022-01-28 09:07:05] step 3: do something else! [2022-01-28 09:07:05] step 3: do something else! step 3: do something else 3: do something