kubernetes秘钥secret的使用

1、secret在Volume的使用

创建secret

```
$ echo -n 'admin' | base64    # base64
YWRtaW4=
$ echo -n '1f2d1e2e67df' | base64 # base64
MWYyZDFlMmU2N2Rm


## secret
$ cat volume-secret.yaml
apiVersion: v1
kind: Secret
metadata:
  name: volume-secret
type: Opaque
data:
  username: YWRtaW4=    # base64
  password: MWYyZDFlMmU2N2Rm # base64


## secret
$ kubectl create -f volume-secret.yaml
secret "volume-secret" created


## secret
$ kubectl  get  secret  volume-secret  -o yaml
apiVersion: v1
data:
  password: MWYyZDFlMmU2N2Rm
  username: YWRtaW4=
kind: Secret
metadata:
  annotations:
    kubectl.kubernetes.io/last-applied-configuration: |
```
```
{"apiVersion":"v1","data":{"password":"MWYyZDFlMmU2N2Rm","username":"YWRta
W4="},"kind":"Secret","metadata":{"annotations":{},"name":"volume-secret",
"namespace":"default"},"type":"Opaque"}
```
```
  creationTimestamp: 2018-10-23T02:13:52Z
  name: volume-secret
  namespace: default
  resourceVersion: "2563774"
  selfLink: /api/v1/namespaces/default/secrets/volume-secret
  uid: 4973bcc3-d669-11e8-9112-005056896ef4
type: Opaque
```

在Volume yaml中使用secret

```
$ cat volume-mount.yaml
apiVersion: v1
kind: Pod
metadata:
  name: mypod
spec:
  containers:
  - name: mypod
    image: redis
    volumeMounts:
    - name: foo
      mountPath: "/etc/foo"  # pod
      readOnly: true
  volumes:
  - name: foo      # pvc
    secret:
      secretName: mysecret  # secret
```

2、存储docker registry的认证信息

```
# secret
$ kubectl create secret docker-registry regsecret
--docker-server=10.22.60.25 --docker-username=admin
--docker-password=Harbor12345 --docker-email=houfei@sunline.cn

regsecret: ,
--docker-server: docker
--docker-username: docker
--docker-password: docker
--docker-email: ()


# secret
$ kubectl  get secret  regsecret  -o yaml
apiVersion: v1
data:
  .dockerconfigjson:
eyJhdXRocyI6eyIxMC4yMi42MC4yNSI6eyJ1c2VybmFtZSI6ImFkbWluIiwicGFzc3dvcmQiOi
JIYXJib3IxMjM0NSIsImVtYWlsIjoiaG91ZmVpQHN1bmxpbmUuY24iLCJhdXRoIjoiWVdSdGFGX
NDZTR0Z5WW05eU1USXpORFU9In19fQ==
kind: Secret
metadata:
  creationTimestamp: 2018-10-09T01:42:21Z
  name: regsecret
  namespace: default
  resourceVersion: "984810"
  selfLink: /api/v1/namespaces/default/secrets/regsecret
  uid: 90b0e22f-cb64-11e8-9112-005056896ef4
type: kubernetes.io/dockerconfigjson




## pod
apiVersion: v1
kind: Pod
metadata:
  name: foo
spec:
  containers:
    - name: foo
      image: janedoe/awesomeapp:v1  #
  imagePullSecrets:
    - name: regsecret        # secret
```