

# 安装Kubedb

Subtitle

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# 安装Kubedb

## Helm

使用 helm v3 安装

[snippet.bash](#)

```
helm repo add appscore https://charts.appscore.com/stable/  
helm show appscore/kubedb #查看kubedb 信息
```

安装 kubedb , 设置 enableAnalytics=false 关闭信息采集

[snippet.bash](#)

```
helm install kubedb-operator appscore/kubedb --version v0.13.0-rc.0 --namespace kube-  
system --set enableAnalytics=false  
helm install kubedb-catalog appscore/kubedb-catalog --version v0.13.0-rc.0 --namespace  
kube-system
```

安装 kubedb-catalog 之后 , kubectl get mysqlversions 等命令才能正常运行

[snippet.bash](#)

```
# kubectl get mysqlversions.catalog.kubedb.com  
NAME      VERSION  DB_IMAGE      DEPRECATED  AGE  
5         5        kubedb/mysql:5      true        13h  
5-v1      5        kubedb/mysql:5-v1    true        13h  
5.7       5.7      kubedb/mysql:5.7     true        13h  
5.7-v1    5.7      kubedb/mysql:5.7-v1  true        13h  
5.7-v2    5.7.25   kubedb/mysql:5.7-v2      13h  
5.7.25    5.7.25   kubedb/mysql:5.7.25      13h  
8         8        kubedb/mysql:8       true        13h  
8-v1      8        kubedb/mysql:8-v1     true        13h  
8.0       8.0      kubedb/mysql:8.0      true        13h  
8.0-v1    8.0.3    kubedb/mysql:8.0-v1      13h  
8.0-v2    8.0.14   kubedb/mysql:8.0-v2      13h  
8.0.14    8.0.14   kubedb/mysql:8.0.14      13h  
8.0.3     8.0.3    kubedb/mysql:8.0.3      13h
```

## RBAC

apiserver 的 `--proxy-client-cert-file=/etc/kubernetes/cert/proxy-client-cert.pem` 参数指定的证书的 CN=aggregator，由于缺少 RBAC，创建 kubedb 对象时会报错无法操作 `mutators.kubedb.com` 和 `validators.kubedb.com` API（User "aggregator" cannot list resource），需要添加RBAC

snippet.yaml

```
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRole
metadata:
  name: kubedb:core:aggregator
rules:
- apiGroups:
  - mutators.kubedb.com
  - validators.kubedb.com
resources:
  - '*'
verbs:
  - '*'
---
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRoleBinding
metadata:
  name: kubedb-aggregator
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: kubedb:core:aggregator
subjects:
- apiGroup: rbac.authorization.k8s.io
  kind: User
  name: aggregator
```

## Redis

设置密码：<https://github.com/kubedb/project/issues/490>

## Postgres

### pgAdmin4

- pgAdmin4 镜像 `dpage/pgadmin4:latest`
- 持久化：pv挂载到 `/var/lib/pgadmin`

可用以下配置项自定义部署

[snippet.yaml](#)

```
PGADMIN_DEFAULT_EMAIL: admin  
PGADMIN_DEFAULT_PASSWORD: admin  
PGADMIN_PORT: 80
```

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