

# k8s 部署zookeeper&kafka

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文档: <https://docs.bitnami.com/tutorials/deploy-scalable-kafka-zookeeper-cluster-kubernetes/>

## zk

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方式1:

```
cd /root/install-some-apps

# list
helm repo list

# 如果没有, 添加
helm repo add bitnami https://charts.bitnami.com/bitnami

# search
helm search repo zookeeper
```

```
helm install zookeeper bitnami/zookeeper
--set replicaCount=1
--set auth.enabled=false
--set allowAnonymousLogin=true
```

生产

```
helm install zookeeper bitnami/zookeeper
--set replicaCount=3
--set auth.enabled=true
--set allowAnonymousLogin=true
```

方式2:

```
helm pull bitnami/zookeeper
tar xf zookeeper-5.11.0.tgz
cd zookeeper

# 关掉存储卷
vim values.yaml
enabled: false
storageClass: "-" #上面一行的 enabled: 设置为 false

# install
helm install zookeeper -n public-service --set auth.enabled=false --set
allowAnonymousLogin=true

kubectl get po -n public-service
```

## kafka

方式1:

```
helm install kafka bitnami/kafka
--set zookeeper.enabled=false
--set replicaCount=3
--set externalZookeeper.servers=ZOOKEEPER-SERVICE-NAME
```

方式2:

```
# 到下载的kafka当前目录，这里的zk用的是上面安装的zk
helm pull bitnami/kafka
tar xf kafka-10.2.1.tgz
cd kafka && ls

# install
helm install kafka -n public-service --set zookeeper.enabled=false --set replicaCount=1
--set externalZookeeper.servers=zookeeper .

kubectl ge po -n public-service
kubectl get svc -n public-service
```

## 测试zk & kafka

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```
kubectl get po -n public-service

# entry
kubectl exec -it kafka-0 -n public-service -- bash

# Create a topic

kafka-topics.sh --create --zookeeper zookeeper:2181 --replication-factor 1 --partitions
1 --topic mytopic

# Start a Kafka message consumer
kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic mytopic --
consumer.config /opt/bitnami/kafka/conf/consumer.properties &
# 如果上面失效, 下面的
kafka-console-consumer.sh --bootstrap-server kafka:9092 --topic mytopic

# Using a different console, start a Kafka message producer
kubectl get po -n public-service
kubectl default exec -it kafka-0 -n public-service -- bash
kafka-console-producer.sh --broker-list kafka:9092 --topic mytopic
# 在这里创建消息, 然后在消费者窗口查看消息
```

## zk & kafka 扩容缩容

```
helm upgrade kafka bitnami/kafka
--set zookeeper.enabled=false
--set replicaCount=7
--set externalZookeeper.servers=ZOOKEEPER-SERVICE-NAME
```

```
helm upgrade zookeeper bitnami/zookeeper
--set replicaCount=5
--set auth.enabled=false
--set allowAnonymousLogin=true
```