Installations using helm chart

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PostgreSQL

https://artifacthub.io/packages/helm/bitnami/postgresql

https://phoenixnap.com/kb/postgresql-kubernetes

helm repo add bitnami https://charts.bitnami.com/bitnami

helm install my-postgresql bitnami/postgresql --version 12.5.2

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Mysql

(https://bitnami.com/stack/mysql/helm)

https://www.youtube.com/watch?v=ixdQCktXxXA

helm repo add azure-marketplace https://marketplace.azurecr.io/helm/v1/repo

helm install my-mysql azure-marketplace/mysql

kubectl get pods

echo Username: root

MYSQL\_ROOT\_PASSWORD=$(kubectl get secret --namespace default my-mysql -o jsonpath="{.data.mysql-root-password}" | base64 -d)

echo $MYSQL\_ROOT\_PASSWORD

kubectl get po

kubectl exec -it my-mysql-0 -- mysql -uroot -p

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MongoDB

helm repo add bitnami https://charts.bitnami.com/bitnami

helm install my-mongodb bitnami/mongodb --version 13.12.1

export MONGODB\_ROOT\_PASSWORD=$(kubectl get secret --namespace default my-mongodb -o jsonpath="{.data.mongodb-root-password}" | base64 -d)

echo $MONGODB\_ROOT\_PASSWORD

kubectl get all

kubectl get pv

kubectl get pvc

kubectl exec -it my-mongodb-85c59c7c8b-bv47h -- /bin/bash

mongosh admin --host "my-mongodb" --authenticationDatabase admin -u root -p $MONGODB\_ROOT\_PASSWORD

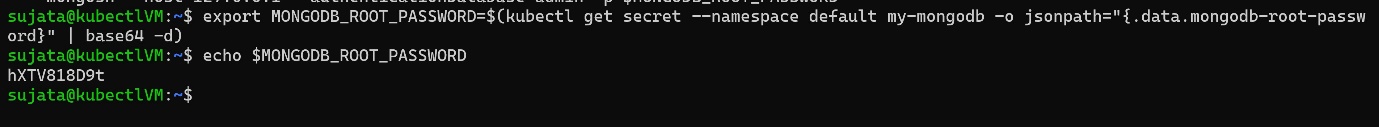
admin> show dbs;

admin> show collections

admin> db.system.users.find()

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Redis

https://bitnami.com/stack/redis/helm

https://phoenixnap.com/kb/kubernetes-redis

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helm repo add azure-marketplace https://marketplace.azurecr.io /helm /v1 /repo

helm install my-release azure-marketplace/redis

export REDIS\_PASSWORD=$(kubectl get secret --namespace default my-release-redis -o jsonpath="{.data.redis-password}" | base64 -d)

echo $REDIS\_PASSWORD

kubectl run --namespace default redis-client --restart='Never' --env REDIS\_PASSWORD=$REDIS\_PASSWORD --image marketplace.azurecr.io/bitnami/redis:7.0.5-debian-11-r15 --command -- sleep infinity

kubectl exec --tty -i redis-client --namespace default -- bash

install redis-cli

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sudo apt install lsb-release

curl -fsSL https://packages.redis.io/gpg | sudo gpg --dearmor -o /usr/share/keyrings/redis-archive-keyring.gpg

echo "deb [signed-by=/usr/share/keyrings/redis-archive-keyring.gpg] https://packages.redis.io/deb $(lsb\_release -cs) main" | sudo tee /etc/apt/sources.list.d/redis.list

sudo apt-get update

sudo apt-get install redis

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kubectl exec -it my-release-redis-master-0 -- redis-cli

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