CREATE CRONJOBS IN KUBERNETES

There are some jobs/tasks that need to be run regularly on different schedules. Currently the Nautilus DevOps team is working on developing some scripts that will be executed on different schedules, but for the time being the team is creating some cron jobs in Kubernetes cluster with some dummy commands (which will be replaced by original scripts later). Create a cronjob as per details given below:

Create a cronjob named nautilus.

Set schedule to \*/2 \* \* \* \*.

Container name should be cron-nautilus.

Use nginx image with latest tag only and remember to mention tag i.e nginx:latest.

Run a dummy command echo Welcome to xfusioncorp.

Ensure restart policy is OnFailure.

Note: The kubectl utility on jump\_host has been configured to work with the kubernetes cluster.

SOLUTION

Vi cron.yml

apiVersion: batch/v1beta1

kind: CronJob

metadata:

name: nautilus

spec:

schedule: "\*/2 \* \* \* \*"

jobTemplate:

spec:

template:

spec:

containers:

- name: cron-nautilus

image: nginx:latest

command:

- /bin/sh

- -c

- echo Welcome to xfusioncorp

restartPolicy: OnFailure

1 kubectl get pod

2 kubectl getcronjob

3 kubectl get cronjob

4 vi cron.yml

5 kubectl create -f cron.yml

6 kubectl get pod

7 kubectl get cronjob

8 kubectl get pod

9 kubectl get cronjob

10 kubectl get pod

11 kubectl logs nautilus-1642110840-s6vhq

12 history