

kubernetes command

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kubectl config current-context

kubectl config use-context xyz-int

kubectl get pods --namespace zyx-namespace

kubectl logs -f {NAME} --namespace xyz-namespace > C:\Users\<ssoid>\Downloads\temp\log.txt

we can filter the log in gitbash with below command:

kubectl logs -f {NAME} --namespace xyz-namespace | grep '<filtercriteria>' or

kubectl logs -f {NAME} --namespace xyz-namespace | grep '<upload_identifier>'

kubectl logs -f xyz-backend-6bdf444568-spgbh --namespace xyz-namespace | grep '97128195-d0a7-4d5a-80c1-385d838faf8c'

-f is used to tail the logs, if not provided we won't get run time logs.

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kubectl get - list resources

kubectl describe - show detailed information about a resource

kubectl logs - print the logs from a container in a pod

kubectl exec - execute a command on a container in a pod

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kubectl get pods

kubectl delete po <pod name>

kubectl describe pod <podName>

kubectl get nodes (dev is a 1 node cluster, int is a 3 node cluster with 1 master and 2 workers node)

kubectl describe node <nodeName>

kubectl get services //services are used to connect with pods

====persistent volume====

kubectl get pv

kubectl describe pv nfs-server-pv

Source:

Type: HostPath (bare host directory volume)

Path: /mnt/vda1/data/xyz-nfs

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Changing "mocked" profile from "cpacs" profile in auth-service :

kubectl get deployments

kubectl edit deployment xyz-auth //a notepad is opened edit and save the value

Basic Kubectl Commands:

View environment configuration

kubectl config view

Get current and all available contexts

kubectl config get-contexts

Change context

kubectl config use-context xyz-context

Available contexts: xyz-dev (new dev environment), xyz-int (new integration environment) and xyz-context (Edison).

List available pods in current context

kubectl get pods

Deploy a new pod version in a Kubernetes cluster

kubectl apply -f deployment-update.yaml

Remove a pod deployment from the cluster

kubectl delete deployment aicp-web

VNV env:

kubectl config use-context xyz-vnv

to go inside xyz-backend container and check the files present:

to access the shell(cmd) or bash inside the pod:

kubectl exec -it xyz-backend-6864d8689f-zjrp sh

C:\kubectl>kubectl exec -it xyz-backend-8f97c47df-bb5d9 -- /bin/bash

bash-4.2# cd

bash-4.2# cd tmp/

bash: cd: tmp/: No such file or directory

bash-4.2# cd /tmp/xjtscpdownload/

bash-4.2#

to remove the files:

rm -rf *

type exit & hit enter to exit from pod

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kubectl logs -f xyz-backend-5894d9d679-gfk9j --namespace xyz-namespace | grep "