Offline Deployment Steps - 離線安裝步驟

==================================================

離線安裝資料下載及說明參考:

https://github.com/dankliu/ibm-repo.git

https://ibm.ent.box.com/s/5dv1q3tljw4b3df26hvytq24tn8r679p

附註: Git版本壓縮檔分割較多、解壓縮及執行方式請參考Git內README.md

1. 下載壓縮Image檔案解壓縮tar檔案至同一目錄 (Step.3執行script使用此路徑)

- turbo-backup-image-20220724.zip

- turbo-backup-image-others-20220726.zip

2. 下載Shell Script

tar zxvf ibm-turbo-install-paks-20220804.tar.gz

解壓縮於目錄資料夾結構如下說明

[root@localhost ibm]# ls -l -a

總計 0

drwxr-xr-x. 5 root root 76 7月 26 19:34 .

dr-xr-x---. 4 root root 239 7月 26 19:19 ..

drwxr-xr-x. 2 root root 123 7月 26 18:50 kubeturbo-script // kubeturbo yaml setup

drwxr-xr-x. 2 root root 125 7月 26 19:19 turbo-image-script // private docker registry create and image load/push script

drwxr-xr-x. 2 root root 196 7月 26 18:54 turbo-script // turbo yaml setup

Step 1. Customer download image zip and shell form link

Step 2. Use shell run\_docker\_registry.sh create Private Docker Registry: localhost:5000

Step 3. Use shell load\_docker\_image.sh sync tar file to Local Docker. (Edit script imagePath to unzip image folder)

Step 4. Use shell push\_docker\_registry.sh push Local Image to Private Docker Registry

Test Check Private Docker Registry: curl -X GET http://localhost:5000/v2/\_catalog

{"repositories":["registry","turbonomic/auth","turbonomic/db","turbonomic/grafana","turbonomic/kafka","turbonomic/kubeturbo","turbonomic/nginx","turbonomic/syslog","turbonomic/t8c-operator","turbonomic/topology-processor","turbonomic/ui","turbonomic/zookeeper"]}

參考資料:

https://github.com/turbonomic/t8c-install/wiki/Working-with-a-Private-Repo-&-Image-Pull-Secrets

Setting Private Docker Registry - 設定本地容器倉庫

==================================================

更改設定Private Docker Registry下載位置

ex. localhost:5000

vim turbo-script/operator.yaml

spec:

serviceAccountName: t8c-operator

containers:

- name: t8c-operator

image: localhost:5000/turbonomic/t8c-operator:42.10

注意: Turbo On-Premises需先建置StorageClass、確認設定參數於turbo\_default\_cr.yaml

修改紅色部分(包含repository位置、以及storageClassName)

vim turbo-script/turbo\_default\_cr.yaml

global:

# registry: localhost:5000/turbonomic

# imageUsername: turbouser

# imagePassword: turbopassword

repository: localhost:5000/turbonomic

tag: 8.5.7

storageClassName: turbo-tsmc-storage

ingress:

annotations:

cloud.google.com/load-balancer-type: "Internal"

nginx:

nginxIsPrimaryIngress: true

externalTrafficPolicy: Cluster

vim kubeturbo-script/kubeTurboDeploy.yaml

spec:

# Update serviceAccount if needed

serviceAccountName: turbo-user

containers:

- name: kubeturbo

# Replace the image with desired version:6.4.4 or latest

image: localhost:5000/turbonomic/kubeturbo:8.5.7

Run Turbo Deployment Script - 執行Turbo安裝Script於監控平台

==================================================

cd ibm/turbo-script/

sh ./run\_turbo\_setup.sh

Run Kubeturbo Deployment Script - 執行Kubeturbo安裝Script於監控節點

==================================================

每台節點需先設定turboServer, opsManagerUserName, opsManagerPassword, targetName紅色部分

cd ibm/kubeturbo-script/

vim turboConfig.yaml

turbo.config: |-

{

"communicationConfig": {

"serverMeta": {

"version": "8.0",

"turboServer": "https://<Turbo\_server\_URL>"

},

"restAPIConfig": {

"opsManagerUserName": "<Turbo\_username>",

"opsManagerPassword": "<Turbo\_password>"

}

},

"targetConfig": {

"targetName": "GKE POV"

},

"HANodeConfig": {

"nodeRoles": [ "master" ]

},

"annotationWhitelist": {

"containerSpec": "<regex>",

"namespace": "<regex>",

"workloadController": "<regex>"

}

}

設定完後執行安裝Script

sh ./run\_kubeturbo\_setup.sh