## Create PersistanceVolumeClaim

PersistanceVolumeClaim or PVC used for store logs from airflow task. Create file ***logs\_persistance.yaml***

apiVersion: v1

kind: PersistentVolumeClaim

metadata:

  name: airflow-logs-01

  namespace: local-airflow

  labels:

    app: airflow-logs

spec:

  accessModes:

    - ReadWriteMany

  storageClassName: hostpath

  resources:

    requests:

      storage: 10Gi

Then apply the file kubectl apply -f yaml\_file/logs\_persistance.yaml

## Override values in values.yaml

# Fernet key settings

# Note: fernetKey can only be set during install, not upgrade

fernetKey: ~

fernetKeySecretName: airflow-fernet-key

# Flask secret key for Airflow Webserver: `[webserver] secret\_key` in airflow.cfg

webserverSecretKey: ~

webserverSecretKeySecretName: airflow-webserver-secret-key

logs:

  # Configuration for empty dir volume (if logs.persistence.enabled == false)

  # emptyDirConfig:

  #   sizeLimit: 1Gi

  #   medium: Memory

  persistence:

    # Enable persistent volume for storing logs

    enabled: true

    # Volume size for logs

    size: 10Gi

    # Annotations for the logs PVC

    annotations: {}

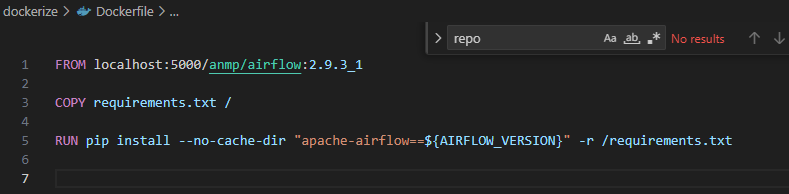
    # If using a custom storageClass, pass name here

    storageClassName:

    ## the name of an existing PVC to use

    existingClaim: airflow-logs-02

update docker image :

1. Build docker with existing image or if this is the 1st time requirements installations directly pull image from official docker airflow. For example using Dockerfile:  
     
   Then build with this script :  
   ` docker build -t anomp/my-airflow:v1 .`
2. Create local registry to store   
   `docker images docker run -d -p 5000:5000 --restart always --name registry registry:2`
3. Change tag of existing image from number 1 as   
   `docker tag anomp/my-airflow:v1 localhost:5000/anmp/airflow:v1`
4. Push image to local registry  
   ` docker push localhost:5000/anmp/airflow:v1`
5. Override value in *values.yaml* using image which already push to local registry  
   defaultAirflowRepository : localhost:5000/anmp/airflowand  
   images:    
    airflow:  
    repository: localhost:5000/anmp/airflow
6. Upgrade helm charts again  
   helm upgrade --install airflow apache-airflow/airflow --namespace local-airflow --create-namespace -f values.yaml --debug