



KUBERNETES NFS DYNAMIC PROVISIONER

Cognitive Assistant for Networks (CAN) Release 6.0



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AVANSEUS TECHNOLOGY PVT. LTD.

REVISION HISTORY

Version	Date	Change description	Created by	Updated by	Reviewed by
V 1.0	Feb, 2023	Initial Release	Hemanth/Umesh	Raksha	Chiranjib

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1. Introduction

This document assumes that the NFS server is already installed and you have preferred to use a dynamic provisioner in the K8 cluster.

2. How to Use a Dynamic Provisioner in the K8 Cluster

1. Inside your git repository, navigate to the folder.

kubernetes_resources/Helm_Charts/NFS_STORAGE_HELM/Persistent_volume/Dynamic_Provisioning/provisioner/

2. Edit the file named **"deployment.yaml"**. Edit the IP address and path of the NFS server under the containers section. Change the yellow highlighted text as per your requirement.

containers:

- name: nfs-client-provisioner

image: k8s.gcr.io/sig-storage/nfs-subdir-external-provisioner:v4.0.2

volumeMounts:

- name: nfs-client-root

mountPath: /persistentvolumes

env:

- name: PROVISIONER_NAME

value: avanseus.com/nfs

- name: NFS_SERVER

value: <<IP address>> Ex: :172.31.16.223

- name: NFS_PATH

value: <<PATH>> Ex: /srv/nfs/kubedata. In AWS, this path should be preferably of EBS

volume.

volumes:

- name: nfs-client-root

nfs:

server: <<IP address>> Ex: :172.31.16.223

path: <<PATH>> Ex: /srv/nfs/kubedata, In AWS, this path should be preferably of EBS

volume.

3. Apply all the below commands in the same sequence as given below:

kubectrl create -f rbac.yaml

kubectrl get clusterrole,clusterrolebinding,role,rolebinding | grep nfs

kubectrl create -f class.yaml

kubectrl create -f deployment.yaml