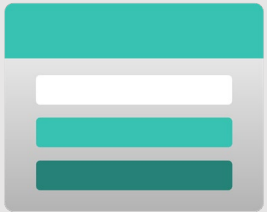


Attach Azure Blob Fuse to AKS using Managed Identity

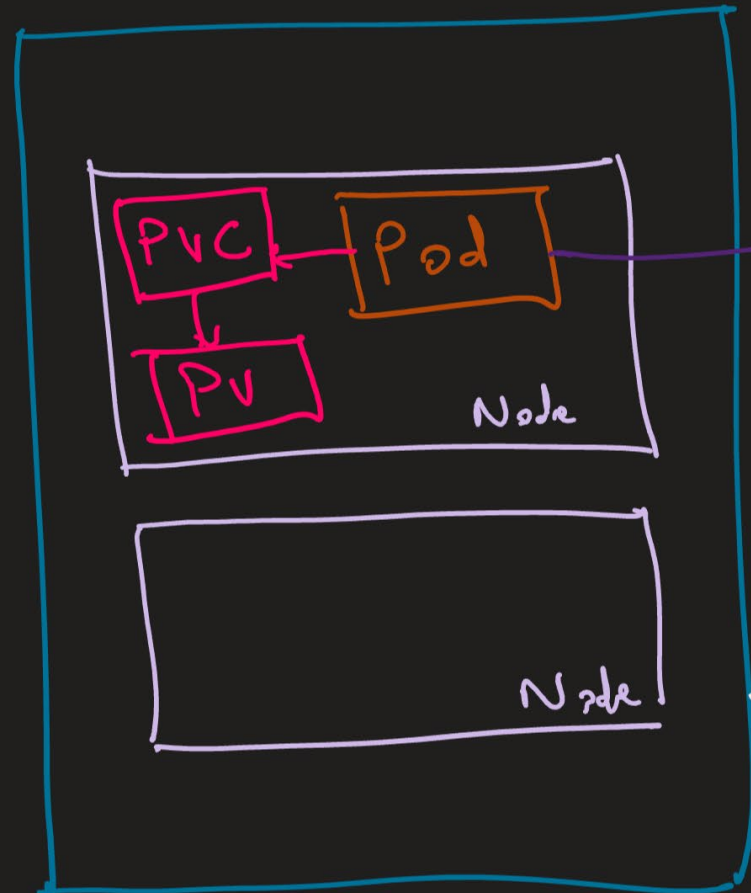


Houssem Dellai

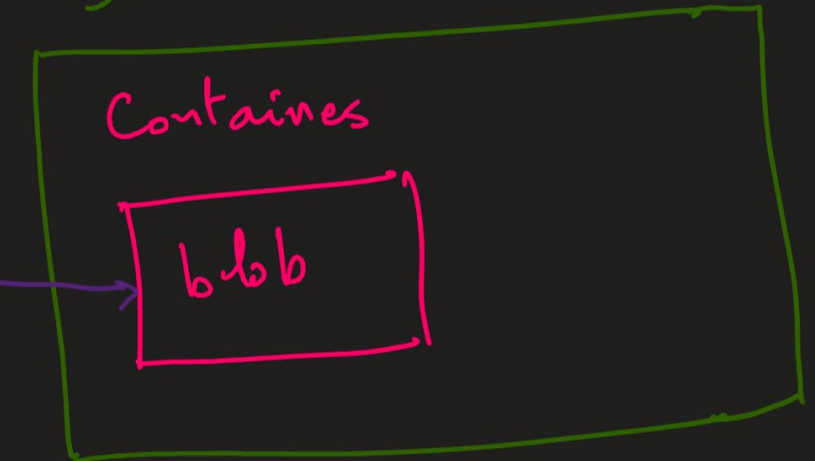


Attach Azure Blob Fuse to AKS using Managed Identity

VMSS / Nodepool



Azure Storage Account



attach

attach

Azure Managed Identity
-Storage Blob Data Owner

Configuring Managed Identity in Blob Fuse

```
apiVersion: v1
kind: PersistentVolume
metadata:
  name: pv-blob
spec:
  capacity:
    storage: 100Gi
  accessModes:
    - ReadWriteMany
  persistentVolumeReclaimPolicy: Retain
  storageClassName: azureblob-fuse-premium
  mountOptions:
    - -o allow_other
    - --file-cache-timeout-in-seconds=120
```

```
csi:
  driver: blob.csi.azure.com
  readOnly: false
  volumeHandle: storage4aks013-container01
  volumeAttributes:
    resourceGroup: rg-aks-cluster
    storageAccount: storage4aks013
    containerName: "container01"
    AzureStorageAuthType: msi # key, sas, msi, spn
    AzureStorageIdentityClientID: ""
    AzureStorageIdentityObjectID: ""
    AzureStorageIdentityResourceID: ""
    MSIEndpoint: ""
    AzureStorageSPNClientID: ""
    AzureStorageSPNTenantID: ""
    AzureStorageAADEndpoint: ""
  nodeStageSecretRef:
    name: azure-secret
    namespace: default
```

Refer to <https://github.com/Azure/azure-storage-fuse#environment-variables>

Resources

Demo: https://github.com/HoussemDellai/docker-kubernetes-course/tree/main/47_blob_fuse_msi

Another demo: <https://github.com/qxsch/Azure-Aks/tree/master/aks-blobfuse-mi>

Doc: <https://github.com/kubernetes-sigs/blob-csi-driver/blob/master/docs/driver-parameters.md>