



Provision a New Volume

NetApp Solutions

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You can use Trident to provision a new volume on your NetApp storage system or platform. The following example commands show the provisioning of a new FlexVol volume. In this example, the volume is provisioned using the StorageClass that was created in the example in the section [Trident Deployment and configuration Overview.html](#), step 2.

An `accessModes` value of `ReadWriteMany` is specified in the following example PVC definition file. This value means that multiple containers can mount this PVC at the same time and that access is read-write. For more information about the `accessMode` field, see the [official Kubernetes documentation](#).

```
$ cat << EOF > ./pvc-tensorflow-results.yaml
kind: PersistentVolumeClaim
apiVersion: v1
metadata:
  name: tensorflow-results
spec:
  accessModes:
    - ReadWriteMany
  resources:
    requests:
      storage: 1Gi
  storageClassName: ontap-ai-flexvols-retain
EOF
$ kubectl create -f ./pvc-tensorflow-results.yaml
persistentvolumeclaim/tensorflow-results created
$ kubectl get pvc
NAME                                STATUS    VOLUME
CAPACITY    ACCESS MODES  STORAGECLASS          AGE
pb-fg-all-iface1  Bound        default-pb-fg-all-iface1-7d9f1
10995116277760  ROX          ontap-ai-flexgroups-retain-iface1  26h
pb-fg-all-iface2  Bound        default-pb-fg-all-iface2-85aee
10995116277760  ROX          ontap-ai-flexgroups-retain-iface2  26h
tensorflow-results  Bound        default-tensorflow-results-
2fd60    1073741824    RWX                    ontap-ai-flexvols-retain
25h
```

[Next: Example High-Performance Jobs for ONTAP AI Deployments Overview](#)

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