



# NetApp Trident の導入（自動導入）

## NetApp Solutions

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# NetApp Trident の導入（自動導入）

NetApp Trident は、NVIDIA DeepOps で利用可能な Ansible プレイブックを使用して導入されます。NetApp Trident をセットアップするには、次の手順を実行します。

1. Deployment Jump VM から DeepOps ディレクトリに移動し、VI エディタを開き、「`config/group_vars/NetApp-trident.yml`」を開きます。DeepOps ファイルには、2つのバックエンドと2つのストレージクラスが表示されます。この解決策では、バックエンドとストレージクラスが1つだけ使用されます。

次のテンプレートを使用して、ファイルとそのパラメータ（黄色でハイライトされています）を環境に合わせて更新します。

```
---
# vars file for netapp-trident playbook
# URL of the Trident installer package that you wish to download and use
trident_version: "20.07.0"# Version of Trident desired
trident_installer_url:
"https://github.com/NetApp/trident/releases/download/v{{ trident_version
}}/trident-installer-{{ trident_version }}.tar.gz"
# Kubernetes version
# Note: Do not include patch version, e.g. provide value of 1.16, not
1.16.7.
# Note: Versions 1.14 and above are supported when deploying Trident
with DeepOps.
# If you are using an earlier version, you must deploy Trident
manually.
k8s_version: 1.17.9# Version of Kubernetes running
# Denotes whether or not to create new backends after deploying trident
# For more info, refer to: https://netapp-
trident.readthedocs.io/en/stable-v20.04/kubernetes/operator-
install.html#creating-a-trident-backend
create_backends: true
# List of backends to create
# For more info on parameter values, refer to: https://netapp-
trident.readthedocs.io/en/stable-
v20.04/kubernetes/operations/tasks/backends/ontap.html
# Note: Parameters other than those listed below are not available when
creating a backend via DeepOps
# If you wish to use other parameter values, you must create your
backend manually.
backends_to_create:
- backendName: ontap-flexvol
  storageDriverName: ontap-nas # only 'ontap-nas' and 'ontap-nas-
flexgroup' are supported when creating a backend via DeepOps
  managementLIF: 172.21.232.118# Cluster Management IP or SVM Mgmt LIF
```

```

IP
dataLIF: 172.21.235.119# NFS LIF IP
svm: infra-NFS-hci-ai# Name of SVM
username: admin# Username to connect to the ONTAP cluster
password: P@ssw0rd# Password to login
storagePrefix: trident
limitAggregateUsage: ""
limitVolumeSize: ""
nfsMountOptions: ""
defaults:
  spaceReserve: none
  snapshotPolicy: none
  snapshotReserve: 0
  splitOnClone: false
  encryption: false
  unixPermissions: 777
  snapshotDir: false
  exportPolicy: default
  securityStyle: unix
  tieringPolicy: none
# Add additional backends as needed
# Denotes whether or not to create new StorageClasses for your NetApp
storage
# For more info, refer to: https://netapp-
trident.readthedocs.io/en/stable-v20.04/kubernetes/operator-
install.html#creating-a-storage-class
create_StorageClasses: true
# List of StorageClasses to create
# Note: Each item in the list should be an actual K8s StorageClass
definition in yaml format
# For more info on StorageClass definitions, refer to https://netapp-
trident.readthedocs.io/en/stable-
v20.04/kubernetes/concepts/objects.html#kubernetes-storageclass-objects.
storageClasses_to_create:
  - apiVersion: storage.k8s.io/v1
    kind: StorageClass
    metadata:
      name: ontap-flexvol
      annotations:
        storageclass.kubernetes.io/is-default-class: "true"
    provisioner: csi.trident.netapp.io
    parameters:
      backendType: "ontap-nas"
# Add additional StorageClasses as needed
# Denotes whether or not to copy tridentctl binary to localhost
copy_tridentctl_to_localhost: true

```

```
# Directory that tridentctl will be copied to on localhost
tridentctl_copy_to_directory: ../ # will be copied to 'deepops/'
directory
```

2. Ansible プレイブックを使用して NetApp Trident をセットアップする。

```
ansible-playbook -l k8s-cluster playbooks/netapp-trident.yml
```

3. Trident が実行されていることを確認

```
./tridentctl -n trident version
```

想定される出力は次のとおりです。

```
rarvind@deployment-jump:~/deepops$ ./tridentctl -n trident version
+-----+-----+
| SERVER VERSION | CLIENT VERSION |
+-----+-----+
| 20.07.0       | 20.07.0       |
+-----+-----+
```

"次のステップ： NVIDIA Triton Inference Server の導入（自動導入）"

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