(v2.15.0, v2.14.1, v2.14.0, v2.13.0, v2.12.0, v2.11.1, v2.11.0,….)

https://github.com/dell/csi-powerstore/tree/main/dell-csi-helm-installer

https://github.com/dell/helm-charts/tree/main/charts/csi-powerstore

# git clone https://github.com/dell/csi-powerstore.git

# git clone --quiet -c advice.detachedHead=false -b csi-powerstore-2.14.1 https://github.com/dell/helm-charts

# wget https://github.com/dell/helm-charts/raw/csi-powerstore-2.14.1/charts/csi-powerstore/values.yaml

**NOTE**

NVMeFC → NVMeTCP → FC → iSCSI

**INSTALL**

# curl https://raw.githubusercontent.com/helm/helm/master/scripts/get-helm-3 | bash

# git clone -b v2.14.1 https://github.com/dell/csi-powerstore.git

# kubectl create namespace csi-powerstore

# cp csi-powerstore/samples/secret/secret.yaml my-secret.yaml

# vi my-secret.yaml

|  |
| --- |
| arrays:  - endpoint: "https://1.2.3.4/api/rest"  globalID: "PS1234567"  username: "admin"  password: "Admin123@"  skipCertificateValidation: true  isDefault: true  blockProtocol: "FC" |

# kubectl create secret generic powerstore-config -n csi-powerstore --from-file=config=my-secret.yaml

# git clone -b csi-powerstore-2.14.1 https://github.com/dell/helm-charts

# wget https://github.com/dell/helm-charts/raw/csi-powerstore-2.14.1/charts/csi-powerstore/values.yaml

# cp values.yaml my-values.yaml

# vi my-values.yaml

|  |
| --- |
| driverName: "csi-powerstore.dellemc.com"  version: v2.14.1  images:  driver:  image: quay.io/dell/container-storage-modules/csi-powerstore:v2.14.1  # CSI sidecars  attacher:  image: registry.k8s.io/sig-storage/csi-attacher:v4.8.1  provisioner:  image: registry.k8s.io/sig-storage/csi-provisioner:v5.2.0  snapshotter:  image: registry.k8s.io/sig-storage/csi-snapshotter:v8.2.1  resizer:  image: registry.k8s.io/sig-storage/csi-resizer:v1.13.2  registrar:  image: registry.k8s.io/sig-storage/csi-node-driver-registrar:v2.13.0  healthmonitor:  image: registry.k8s.io/sig-storage/csi-external-health-monitor-controller:v0.14.0  # CSM sidecars  replication:  image: quay.io/dell/container-storage-modules/dell-csi-replicator:v1.12.0  vgsnapshotter:  image: quay.io/dell/container-storage-modules/csi-volumegroup-snapshotter:v1.8.1  podmon:  image: quay.io/dell/container-storage-modules/podmon:v1.13.0  metadataretriever:  image: quay.io/dell/container-storage-modules/csi-metadata-retriever:v1.11.0  kubeletConfigDir: /var/lib/kubelet  nodeFCPortsFilterFile: /etc/fc-ports-filter  externalAccess:  imagePullPolicy: IfNotPresent  maxPowerstoreVolumesPerNode: 0  nfsAcls: "0777"  podmonAPIPort: 8083  controller:  controllerCount: 2  volumeNamePrefix: csivol  vgsnapshot:  enabled: false  snapshot:  enabled: true  snapNamePrefix: csi-snap  resizer:  enabled: true  healthMonitor:  enabled: false  interval: 60s  replication:  enabled: false  replicationContextPrefix: "powerstore"  replicationPrefix: "replication.storage.dell.com"  nodeSelector:  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/master taint  # node-role.kubernetes.io/master  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/control-plane taint  # node-role.kubernetes.io/control-plane  tolerations:  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/master taint  # - key: "node-role.kubernetes.io/master"  # operator: "Exists"  # effect: "NoSchedule"  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/control-plane taint  # tolerations:  # - key: "node-role.kubernetes.io/control-plane"  # operator: "Exists"  # effect: "NoSchedule"  node:  nodeNamePrefix: csi-node  nodeIDPath: /etc/machine-id  healthMonitor:  enabled: false  nodeSelector:  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/master taint  # node-role.kubernetes.io/master  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/control-plane taint  # node-role.kubernetes.io/control-plane  tolerations:  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/master taint  # - key: "node-role.kubernetes.io/master"  # operator: "Exists"  # effect: "NoSchedule"  # Uncomment if nodes you wish to use have the node-role.kubernetes.io/control-plane taint  # tolerations:  # - key: "node-role.kubernetes.io/control-plane"  # operator: "Exists"  # effect: "NoSchedule"  ## PLATFORM ATTRIBUTES  ######################  connection:  enableCHAP: false  logLevel: "info"  logFormat: "JSON"  fsGroupPolicy: ReadWriteOnceWithFSType  allowAutoRoundOffFilesystemSize: true  storageCapacity:  enabled: true  pollInterval: 5m  podmon:  enabled: false  controller:  args:  - "--csisock=unix:/var/run/csi/csi.sock"  - "--labelvalue=csi-powerstore"  - "--arrayConnectivityPollRate=60"  - "--driverPath=csi-powerstore.dellemc.com"  - "--mode=controller"  - "--skipArrayConnectionValidation=false"  - "--driver-config-params=/powerstore-config-params/driver-config-params.yaml"  - "--driverPodLabelValue=dell-storage"  - "--ignoreVolumelessPods=false"  node:  args:  - "--csisock=unix:/var/lib/kubelet/plugins/csi-powerstore.dellemc.com/csi\_sock"  - "--labelvalue=csi-powerstore"  - "--arrayConnectivityPollRate=60"  - "--driverPath=csi-powerstore.dellemc.com"  - "--mode=node"  - "--leaderelection=false"  - "--driver-config-params=/powerstore-config-params/driver-config-params.yaml"  - "--driverPodLabelValue=dell-storage"  - "--ignoreVolumelessPods=false"  multiNas:  threshold: 5  cooldownPeriod: 5m |

# cp helm-charts csi-powerstore/dell-csi-helm-installer

# csi-powerstore/dell-csi-helm-installer/csi-install.sh --namespace csi-powerstore --values ./my-values.yaml