

Longhorn Installation on local kubernetes cluster (Dynamic provisioner)

Install Helm manager.

```
curl -fsSL -o get_helm.sh https://raw.githubusercontent.com/helm/helm/main/scripts/get-helm-3
chmod 700 get_helm.sh
./get_helm.sh
```

Install Prerequisites for the longhorn:

```
yum install jq mktemp sort printf nfs-utils iscsi-initiator-utils -y
yum --setopt=tsflags=noscripts install iscsi-initiator-utils
echo "InitiatorName=$(/sbin/iscsi-iname)" > /etc/iscsi/initiatorname.iscsi
```

Check the ISCUI service status

```
systemctl enable iscsi.service
systemctl start iscsi.service
systemctl status iscsi.service
modprobe iscsi_tcp
```

Install Longhorn using Helmchart:

```
curl -sSfL https://raw.githubusercontent.com/longhorn/longhorn/v1.5.3/scripts/environment_check.sh
| bash
```

```
helm repo add longhorn https://charts.longhorn.io
```

```
helm repo update
```

```
kubectl create namespace longhorn-system
```

```
helm install longhorn longhorn/longhorn --namespace longhorn-system
```

check Longhorn deployments status

```
watch kubectl get pod -n longhorn-system
```