

# Local Provisioner

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بلاطم سنر فر:

[GitHub - rancher/local-path-provisioner: Dynamically provisioning persistent local storage with Kubernetes](#)

مینکیم Push دصقم Cluster رد هدافتسا دروم Registry رد و هدرک pull ار ریز یاه Image ادتبا:

```
rancher/local-path-provisioner: v0.0.24
busybox
```

دراد دوج و رظن دروم یروتکریاد رتسالک یاهدون همه رد میوش یم نئمطم

تیدپآ ار RKE رتسالک و مینکیم میظنت RKE رد cluster.yaml لیاف رد ار رظن دروم یروتکریاد (offline-rke دنس هب دوش هعجارم) مینکیم

```
services:
  kubelet:
    extra_binds:
      - "/home/data: /home/data"
```

apply local-path-storage.yaml file:

```
apiVersion: v1
kind: Namespace
metadata:
  name: local-path-storage
---
apiVersion: v1
kind: ServiceAccount
metadata:
  name: local-path-provisioner-service-account
  namespace: local-path-storage
---
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRole
metadata:
  name: local-path-provisioner-role
rules:
  - apiGroups: [ "" ]
    resources: [ "nodes", "persistentvolumeclaims", "configmaps" ]
    verbs: [ "get", "list", "watch" ]
```

```

- apiGroups: [ "" ]
  resources: [ "endpoints", "persistentvolumes", "pods" ]
  verbs: [ "*" ]
- apiGroups: [ "" ]
  resources: [ "events" ]
  verbs: [ "create", "patch" ]
- apiGroups: [ "storage.k8s.io" ]
  resources: [ "storageclasses" ]
  verbs: [ "get", "list", "watch" ]

---
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRoleBinding
metadata:
  name: local-path-provisioner-bind
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: local-path-provisioner-role
subjects:
- kind: ServiceAccount
  name: local-path-provisioner-service-account
  namespace: local-path-storage

---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: local-path-provisioner
  namespace: local-path-storage
spec:
  replicas: 1
  selector:
    matchLabels:
      app: local-path-provisioner
  template:
    metadata:
      labels:
        app: local-path-provisioner
    spec:
      serviceAccountName: local-path-provisioner-service-account
      containers:
        - name: local-path-provisioner
          image: 192.168.17.97:5000/rancher/local-path-provisioner:v0.0.24
          imagePullPolicy: IfNotPresent
          command:
            - local-path-provisioner
            - --debug
            - start
            - --config
            - /etc/config/config.json
          volumeMounts:
            - name: config-volume
              mountPath: /etc/config/

```

```

env:
  - name: POD_NAMESPACE
    valueFrom:
      fieldRef:
        fieldPath: metadata.namespace
volumes:
  - name: config-volume
    configMap:
      name: local-path-config

---
apiVersion: storage.k8s.io/v1
kind: StorageClass
metadata:
  name: local-path
provisioner: rancher.io/local-path
volumeBindingMode: WaitForFirstConsumer
reclaimPolicy: Delete

---
kind: ConfigMap
apiVersion: v1
metadata:
  name: local-path-config
  namespace: local-path-storage
data:
  config.json: |-
    {
      "nodePathMap":[
        {
          "node": "DEFAULT_PATH_FOR_NON_LISTED_NODES",
          "paths": [ "/home/data" ]
        }
      ]
    }
  setup: |-
    #! /bin/sh
    set -eu
    mkdir -m 0777 -p "$VOL_DIR"
  teardown: |-
    #! /bin/sh
    set -eu
    rm -rf "$VOL_DIR"
helperPod.yaml: |-
  apiVersion: v1
  kind: Pod
  metadata:
    name: helper-pod
  spec:
    containers:
      - name: helper-pod
        image: 192.168.17.97:5000/busybox

```

```
imagePullPolicy: IfNotPresent
```

```
end
```