

MetalLB installieren

Über ein Manifestfile

```
kubectl apply -f  
https://raw.githubusercontent.com/metallb/metallb/v0.14.9/config/manifests/m  
etallb-native.yaml
```

Mittels Helm

```
helm repo add metallb https://metallb.github.io/metallb  
helm repo update  
helm install --namespace metallb-system --create-namespace metallb  
metallb/metallb
```

MetalLB mit Multi-AddressPool Objekten

Wenn man gerne mehrere IPAddressPool Objekte anlegen möchte dann kann man die Zuordnung über die Annotations im Service Objekt machen. Beispiel:

```
---  
apiVersion: metallb.io/v1beta1  
kind: L2Advertisement  
metadata:  
  name: advertisement  
  namespace: metallb-system  
spec:  
  ipAddressPools:  
    - pool  
    - pool2  
---  
apiVersion: metallb.io/v1beta1  
kind: IPAddressPool  
metadata:  
  name: pool  
  namespace: metallb-system  
spec:  
  addresses:  
    - 100.80.0.80/32  
    - 100.80.0.191/32  
---  
apiVersion: metallb.io/v1beta1  
kind: IPAddressPool
```

```
metadata:
  name: pool2
  namespace: metallb-system
spec:
  addresses:
    - 192.168.20.10/32
    - 192.168.20.11/32
```

Und passende Service Objekte vom Type Loadbalancer schauen dann so aus:

```
---
apiVersion: v1
kind: Service
metadata:
  creationTimestamp: null
  annotations:
    metallb.universe.tf/address-pool: pool
  labels:
    app: svc-homepage
  name: svc-homepage
  namespace: homepage
spec:
  ports:
    - name: "80"
      port: 80
      protocol: TCP
      targetPort: 80
  selector:
    app: homepage
  type: LoadBalancer
status:
  loadBalancer: {}
---
apiVersion: v1
kind: Service
metadata:
  creationTimestamp: null
  annotations:
    metallb.universe.tf/address-pool: pool2
  labels:
    app: svc-homepage
  name: svc-homepage2
  namespace: homepage
spec:
  ports:
    - name: "80"
      port: 80
      protocol: TCP
      targetPort: 80
```

```
selector:  
  app: homepage  
  type: LoadBalancer  
status:  
  loadBalancer: {}
```

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