

# Service Accounts in Kubernetes

K8s Creating Service Accounts





# K8s Service Accounts

- Service Accounts Overview
- Create Service Account
- Binding Roles with Service Accounts
- Hands On Demonstration

# K8s Service Accounts

- In K8s, Service Account used by container process to Authenticate with K8s APIs.
- If Pods needs to communicate with K8s APIs. User need to setup service account to control the access.

# Create Service Accounts

- Service account can be created like any other Kubernetes Object using YAML file.

```
apiVersion: v1
kind: ServiceAccount
metadata:
  name: my-serviceaccount
automountServiceAccountToken: false
```



## Role Binding Service Accounts

- Service Account Access also manage by RBAC.
- Bind Service Accounts with Cluster Role or ClusterRoleBinding to provide access to Cluster APIs.

```
apiVersion: rbac.authorization.k8s.io/v1
kind: RoleBinding
metadata:
  name: sa-pod-reader
  namespace: development
subjects:
- kind: ServiceAccount
  name: my-serviceaccount
  namespace: development
roleRef:
  kind: Role
  name: pod-reader
  apiGroup: rbac.authorization.k8s.io
```

# Hands On Demonstration

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# Thank You...

Don't be the Same! Be Better!!!

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