## Manage secrets securely in Kubernetes with HashiCorp Vault!

01

Install Vault using Helm

02

Configure Kubernetes auth using vault

03

Create policies and role to configure authorization and authentication between Vauly & Kubernetes API server

## Secret Injection & Management

01

Service accounts for JWTT authentication for identifying authenticated deployments

02

Dynamic secret injection into pods

03

Centralized secret management

## Architecture used:

## **HashiCorp Vault + Kubernetes Secret Management Kubernetes Cluster (vault namespace) Application Pod** 2. Validate JWT Vault Pod **Kubernetes API Server** with vault-serviceaccount Token Validation vault-0 Auth Method: Kubernetes 1. Request Secret /vault/secrets/clisecret Policy: read-policy SA JWT Token Secret: secret/clisecret 3. Validate SA Vault UI Service Service Account Vault Role NodePort: 31261 vault-serviceaccount vault-role Namespace: vault External Access http://node-ip:31261