Ondrej Sika DevOps

Course

Consul

Course Outline

- Introduction
 - Introduction to Consul
 - Service Discovery Introduction
 - Network Mesh Introduction
- Installation
 - Local Development Environment
 - HA Production environment
 - On VMs
 - On Kubernetes
 - Multi Datacenter setup
- Operation
 - Backup & Restore
 - Monitoring of Consul
 - Consul management using Terraform
- Usage
 - Service Discovery
 - Service Registration
 - Service Discovery
 - Service Health Checks
 - Consul as Prometheus Service Discovery
 - Consul DNS
 - Key / Value Store
 - Consul as distributed KV store
 - Service configuration using KV
 - Feature flags
 - Network Mesh
 - Mesh Routing
 - Envoy Proxy
 - ACLs & Traffic control
 - Blue Green deployments
 - Securing Consul
 - TLS
 - ACLs
 - Consul + Vault
- Consul & Kubernetes
 - Installation
 - Kubernetes Integration
 - Service mesh in Kubernetes