Ondrej Sika DevOps

Keycloak

Course Length

2 days

Course Outline

- Introduction to Keycloak
- Installing and Configuring Keycloak
    - Keycloak Dev Server
    - Installing Keycloak in Kubernetes for production
    - Configuration
    - Keycloak management console overview
- User Management
    - User and group management in Keycloak
    - User federation with external providers
    - User registration and self-service
    - Password policies and credential management
- Authorization and Permissions
    - Understanding authorization in Keycloak
    - Role-based access control
    - Attribute-based access control
    - Configuring authorization policies
- Single Sign-On
    - Understanding SSO and how it works with Keycloak
    - Configuring SSO for web and mobile applications
    - SSO with multiple realms
- Social Login and Identity Brokering
    - Configuring social login with Keycloak
    - Identity brokering with external providers (LDAP, AD, AzureAD, …)
    - Configuring federation with other identity providers
- Securing Apps with Keycloak
    - Using Keycloak with OAuth 2.0 and OpenID Connect
    - Configuring API protection with Keycloak
- Keycloak management in Terraform