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Course

Kube Prometheus Stack

Course Outline

- Introduction
    - Introduction to Prometheus Stack
    - Introduction to Prometheus Operator
    - Introduction to Kube Prometheus Stack
- Installation
    - Setup Prometheus Operator CRDs
    - Helm Installation of Kube Prometheus Stack
    - ArgoCD Installation of of Kube Prometheus Stack
- Configuration
    - Prometheus Configuration
    - Alert Manager Configuration
    - Grafana Configuration
    - SSO Configuration
    - Oauth2 Proxy
    - Default configuration
        - Prometheus scrapers & Grafana Dashboards
        - Node monitoring
        - Kubernetes Cluster monitoring
        - Kubernetes Workload monitoring
        - Customization of default configuration
        - Disable default configuration
- Kubernetes integrations for custom applications
    - Prometheus
        - Automatic service discovery
        - ServiceMonitors
    - Grafana
        - Data Source
        - Dashboards