Kubernetes Cluster Operations

Course Modules

1 Cluster Architecture

- Kubernetes ecosystem
- Distributions and Service Offerings
- Storage
- Networking
- kubeadm

2 Logging

- Logging in containers and Kubernetes
- Logging architectures
- Backend considerations

3 Monitoring

- Monitoring data vs Log data
- Tools
- Baseline and trend analysis

4 Cluster Troubleshooting

- General guidance
- Determining impact

5 Onboarding Application and Teams

- Onboarding considerations
- Mapping concepts to Kubernetes
- Restrictions mechanisms and policies

6 Cluster Maintenance

- Backup options
- Upgrades
- Node Maintenance