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Kubernetes Fundamentals



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Objectives


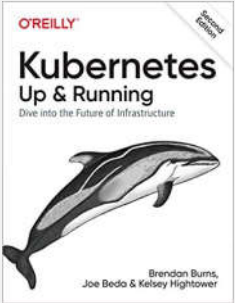
This course targets participants who have an initial knowledge of containers and Kubernetes. It review the basic concepts of Pods, Deployments and Services. It covers also selected advanced topics including Health checks and Observability, Configuration, Monitoring, Helm Charts, ...

The participants will develop a thorough understanding of the Kubernetes fundamentals through a hands-on approach.

Content

| Units | Titles |
|---------|---|
| Unit 01 | Getting Started with Kubernetes |
| Unit 02 | Deploying and Exposing applications |
| Unit 03 | Configuration and Resource Management |
| Unit 04 | Healthchecks and Observability |
| Unit 05 | Exposing services with Ingress |
| Unit 06 | Managing Rollouts |
| Unit 07 | Helm Charts |
| Unit 08 | Logging and Monitoring |
| Unit 09 | Controlling Access to Cluster Resources |

Bibliography

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|--|--|
|  | <p>Kubernetes: Official Documentation https://kubernetes.io/docs/</p> |
|  | <p>Book: Kubernetes: Up & running, Second Edition <i>By Brendan Burns, Kelsey Hightower and Joe Beda</i> O'Reilly, 2019</p> |