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# Kubernetes Fundamentals



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# Objectives


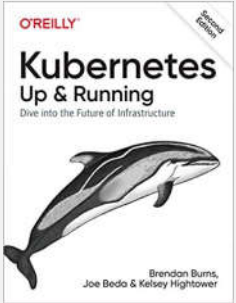
**This course targets participants who have an initial knowledge of containers and Kubernetes. It reviews the basic concepts of Pods, Deployments and Services. It covers also selected advanced topics including Health checks and Observability, Configuration, Monitoring, Helm Charts, RBAC, ...**

**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

	<p><b>Kubernetes: Official Documentation</b> <a href="https://kubernetes.io/docs/">https://kubernetes.io/docs/</a></p>
	<p><b>Book: Kubernetes: Up &amp; running, Second Edition</b> <i>By Brendan Burns, Kelsey Hightower and Joe Beda</i> O'Reilly, 2019</p>