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# Kubernetes Fundamentals



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November 2020

# Objectives


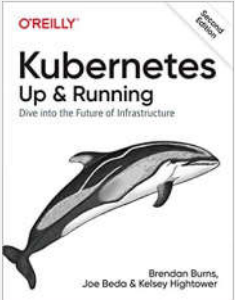

**This course provides the foundational knowledge for the deployment and orchestration of containerized applications using Kubernetes. It covers all the essentials of Kubernetes including pods, deployments, services, persistent volumes, stateful sets, and more.**

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

# Content

Units	Titles
Unit 01	Understanding Kubernetes architecture
Unit 02	Deploying applications on Kubernetes
Unit 03	Exposing applications using services
Unit 04	Managing Stateful applications in Kubernetes
Unit 05	Logging and monitoring in Kubernetes

# Bibliography

	<b>Kubernetes: Official Documentation</b> <a href="https://kubernetes.io/docs/">https://kubernetes.io/docs/</a>
	<b>Book: Kubernetes: Up &amp; running, Second Edition</b> <i>By Brendan Burns, Kelsey Hightower and Joe Beda</i> O'Reilly, 2019
 PLURALSIGHT	<b>Getting Started with Kubernetes</b> 2h53' Course Link: <a href="https://app.pluralsight.com/library/courses/getting-started-kubernetes">https://app.pluralsight.com/library/courses/getting-started-kubernetes</a> <i>By Nigel Poulton</i> Pluralsight 2017
<a href="http://pycon2019.container.training/">http://pycon2019.container.training/</a>	<b>Getting started with Kubernetes and container orchestration, 304 Slides</b> Jérôme Petazzoni, 2019