

Kubernetes Learning Resources (KLR)	Author	Category	Commercial	Link
<b>Learning Resources (basics)</b>				
<b>Kubernetes.IO Documentation</b>	kubernetes.io (community)	origin	No	<a href="https://kubernetes.io/docs/home/">https://kubernetes.io/docs/home/</a>
<b>Kubernetes.IO Tutorials</b>			No	<a href="https://kubernetes.io/docs/tutorials/">https://kubernetes.io/docs/tutorials/</a>
<b>Kubernetes Podcast by Google</b>				<a href="https://kubernetespodcast.com/">https://kubernetespodcast.com/</a>
Kubernauts' Kubernetes Training Slides (v0.0.9)	Kubernauts Community	Presentation	No	<a href="https://goo.gl/3idk2zd">https://goo.gl/3idk2zd</a>
Kubernetes Advanced Training Labs (v0.0.1) WIP	Kubernauts Community	Presentation	No	<a href="http://bit.ly/kubernetes-advanced-trainings">http://bit.ly/kubernetes-advanced-trainings</a>
Our News for learning	Kubernauts Community	News		<a href="http://news.kubernauts.io/#/">http://news.kubernauts.io/#/</a>
Our Blog Posts on medium (tutorials, best practices)	Kubernauts Community	Blog		<a href="https://blog.kubernauts.io/">https://blog.kubernauts.io/</a>
<b>Kubernetes for everyone (New)</b>	@sendilkumarn	Blog		<a href="https://dev.io/sendilkumarn/kubernetes-for-everyone-ops">https://dev.io/sendilkumarn/kubernetes-for-everyone-ops</a>
Running Kubernetes Locally via Minikube	kubernetes.io (community)	origin	No	<a href="https://kubernetes.io/docs/getting-started-guides/minikube/">https://kubernetes.io/docs/getting-started-guides/minikube/</a>
<b>Kubernetes - A Comprehensive Overview</b>	Bob Killen	Presentation	No	<a href="https://www.slideshare.net/BobKillen/kubernetes-a-comprehensive-overview-updated">https://www.slideshare.net/BobKillen/kubernetes-a-comprehensive-overview-updated</a>
<b>The best Minikube tutorial ever</b>	Abhishek Tiwari	article	No	<a href="https://abhishek-tiwari.com/local-development-environment-for-kubernetes-using-minikube/">https://abhishek-tiwari.com/local-development-environment-for-kubernetes-using-minikube/</a>
OPKF ( On Premise Kubernetes running on Ubuntu 19 (bionic) vagrant-boxes)	Rajat Patel	tool	No	<a href="https://github.com/rajatpatel/OPKF">https://github.com/rajatpatel/OPKF</a>
Kubernetes Beginner's Guide: Learning the basics in an hour	???	Intro	No	<a href="https://www.wave.works/kubernetes-beginners-guide/">https://www.wave.works/kubernetes-beginners-guide/</a>
Kubernetes Bootcamp	Container Solutions & Remember to Play	Interactive	No	<a href="https://kubernetesbootcamp.github.io/kubernetes-bootcamp/">https://kubernetesbootcamp.github.io/kubernetes-bootcamp/</a>
Kubernetes Fundamentals (LFS258)	Linux Foundation / Sebastian Goasguen	course	Yes	<a href="https://training.linuxfoundation.org/linux-courses/system-administration-training/kubernetes-fundamentals">https://training.linuxfoundation.org/linux-courses/system-administration-training/kubernetes-fundamentals</a>
Fundamentals of Containers, Kubernetes, and Red Hat OpenShift	Zach Gutterman / Zach Gutterman	course	No	<a href="https://www.edx.org/course/fundamentals-containers-kubernetes-red-hat-oc81x#">https://www.edx.org/course/fundamentals-containers-kubernetes-red-hat-oc81x#</a>
Kubernetes Training Online	Edward Vaene	E-Learning	Yes	<a href="http://how-to-learn-online.com/kubernetes-training-online">http://how-to-learn-online.com/kubernetes-training-online</a>
<b>The Children's Illustrated Guide to Kubernetes</b>	Matt Butcher	Illustration	No	<a href="https://www.youtube.com/watch?time_continue=2&amp;v=4hi2ReBjno">https://www.youtube.com/watch?time_continue=2&amp;v=4hi2ReBjno</a>
Introduction to Kubernetes and Containers class	By Heptio University	Virtual Class	Yes	<a href="https://www.eventbrite.com/e/introduction-to-kubernetes-and-containers-virtual-class-tickets-33363759904">https://www.eventbrite.com/e/introduction-to-kubernetes-and-containers-virtual-class-tickets-33363759904</a>
How does it work? Kubernetes! Episode 1 - 5	@sebwicb	Episode		<a href="https://sebwicb.github.io/blog/how-does-it-work-kube-1/">https://sebwicb.github.io/blog/how-does-it-work-kube-1/</a>
Learning Docker and Kubernetes by Practice (on Updating)	Peng Xiao	E-Learning	Yes	<a href="https://www.udacity.com/course/learning-docker-and-k8s-by-practice/">https://www.udacity.com/course/learning-docker-and-k8s-by-practice/</a>
Scalable Microservices with Kubernetes	By Udacity	course	No	<a href="https://www.udacity.com/course/scalable-microservices-with-kubernetes--u0615">https://www.udacity.com/course/scalable-microservices-with-kubernetes--u0615</a>
KUB-100 KUBERNETES FUNDAMENTALS	By kumul.us	course	Yes	<a href="https://kumul.us/learn-kubernetes-fundamentals-online/">https://kumul.us/learn-kubernetes-fundamentals-online/</a>
Getting Started with Kubernetes	Arun Patil	Intro	No	<a href="https://dzone.com/articles/get-started-kubernetes-essentials">https://dzone.com/articles/get-started-kubernetes-essentials</a>
Kubernetes Production Patterns	Gravitational team	Patterns		<a href="https://github.com/gravitational/workshop/blob/master/k8sprod.md">https://github.com/gravitational/workshop/blob/master/k8sprod.md</a>
Self guided "k8s workshops"	@vsn1	Presentation	No	<a href="http://k8s-workshop.github.io/">http://k8s-workshop.github.io/</a>
Kubernetes 101	@bacle	Presentation	No	<a href="https://slides-eightypercent.net/kubernetes-101/#1">https://slides-eightypercent.net/kubernetes-101/#1</a>
Getting Started With Kubernetes (Video, HandsOn & Books)	David Strebel	article	No	<a href="https://medium.com/@davidstrebel/getting-started-with-kubernetes-d9a14955574b">https://medium.com/@davidstrebel/getting-started-with-kubernetes-d9a14955574b</a>
Kubernetes: Understanding Pods vs. Containers	Tim Hockin	Presentation	No	<a href="https://speakerdeck.com/thockin/kubernetes-understanding-pods-vs-containers">https://speakerdeck.com/thockin/kubernetes-understanding-pods-vs-containers</a>
Kubernetes Deep Dive: API Server – Part 2	@mhausenblas & @the1stein	article	No	<a href="https://blog.openshift.com/kubernetes-deep-dive-api-server-part-2/">https://blog.openshift.com/kubernetes-deep-dive-api-server-part-2/</a>
Kubernetes Deep Dive: API Server – Part 3	@mhausenblas & @the1stein	article	No	<a href="https://blog.openshift.com/kubernetes-deep-dive-api-server-part-3a/">https://blog.openshift.com/kubernetes-deep-dive-api-server-part-3a/</a>
Kubernetes Webinar Series - Kubernetes Architecture 101	Janakiaram & Associates	video	No	<a href="https://www.youtube.com/watch?v=zeS6OyDvY8">https://www.youtube.com/watch?v=zeS6OyDvY8</a>
Getting Started with Kubernetes	Bob Killen	Presentation	No	<a href="https://mrhobbylab.es/talk/2018_05_ostruct_workshop">https://mrhobbylab.es/talk/2018_05_ostruct_workshop</a>
Introduction to Kubernetes Workshop	Bob Killen	Presentation	No	<a href="https://docs.google.com/presentation/d/1zrVtE56r1ZN0rmXKx5gImBcXnpa_WaHcEnTwSSMoc/edit?slide=id.g3cfa019267_4_0">https://docs.google.com/presentation/d/1zrVtE56r1ZN0rmXKx5gImBcXnpa_WaHcEnTwSSMoc/edit?slide=id.g3cfa019267_4_0</a>
Kubernetes Tutorials	Bob Killen	on GitHub	No	<a href="https://github.com/mrbobbytables/k8s-intro-tutorials">https://github.com/mrbobbytables/k8s-intro-tutorials</a>
<b>Awesome-Kubernetes (a great curated list for awesome kubernetes sources)</b>	Ramit Surana	No		<a href="https://github.com/ramitsurana/awesome-kubernetes">https://github.com/ramitsurana/awesome-kubernetes</a>
<b>From Monolith to Micro-services with Kubernetes (New)</b>	@mbright	on GitHub		<a href="https://mbright.github.io/Talks/2019-Mar-16_FOSSAsia_FromMonolithToMicroservices_with_Kubernetes/2019-Mar-16_FOSSAsia_FromMonolithToMicroservices_with_Kubernetes.pdf">https://mbright.github.io/Talks/2019-Mar-16_FOSSAsia_FromMonolithToMicroservices_with_Kubernetes/2019-Mar-16_FOSSAsia_FromMonolithToMicroservices_with_Kubernetes.pdf</a>
<b>HowTos and Tutorials</b>				
How to create CI/CD pipeline with autodeploy to Kubernetes using GitLab and Helm	@SergeyKuzhizin	HowTo		<a href="https://goo.gl/3JKEFQl">https://goo.gl/3JKEFQl</a>
Deploying Envoy With a Python Flask Web App and Kubernetes	Flynn	HowTo		<a href="https://goo.gl/3DgJLj">https://goo.gl/3DgJLj</a>
Getting Started with GitLab CI with Containers (Part 1)	@solidstern	HowTo		<a href="https://goo.gl/3vGjC4">https://goo.gl/3vGjC4</a>
Enabling FaaS on Kubernetes—a Proof of Concept Introduction	Hicham Tout	HowTo		<a href="https://goo.gl/qVMSdx">https://goo.gl/qVMSdx</a>
Using Helm to install Traefik as an Ingress Controller in Kubernetes	???	HowTo		<a href="https://goo.gl/W5otgu">https://goo.gl/W5otgu</a>
WordPress in Kubernetes: The Perfect Setup	Jorge Salamero Sanz	HowTo		<a href="https://goo.gl/USZtKk">https://goo.gl/USZtKk</a>
An Introduction to Kubernetes with Minikube	Mike Stowe	HowTo		<a href="https://goo.gl/4lWY5k">https://goo.gl/4lWY5k</a>
Building a multi-platform Kubernetes cluster	@kubernetesonarm	Workshop		<a href="https://github.com/3uax/kubeadm-workshop">https://github.com/3uax/kubeadm-workshop</a>
Journeys. Deploy Apps On BlueMix (Architecture Diagrams & more)	IBM	Journeys		<a href="https://developer.ibm.com/code/journey/category/container-orchestration/">https://developer.ibm.com/code/journey/category/container-orchestration/</a>
Kubernetes on bare-metal in 10 minutes	@alexellisuk	HowTo		<a href="https://blog.alexellis.io/kubernetes-in-10-minutes/">https://blog.alexellis.io/kubernetes-in-10-minutes/</a>
Heptio Tutorials	@heptio	Tutorials		<a href="http://docs.heptio.com/content/tutorials.html">http://docs.heptio.com/content/tutorials.html</a>
Manage Kubernetes Clusters on AWS Using Kops	Arun Gupta	HowTo		<a href="https://aws.amazon.com/de/blogs/compute/kubernetes-clusters-aws-kops/">https://aws.amazon.com/de/blogs/compute/kubernetes-cl</a>

## Books

## Designing Distributed Systems

### Kubernetes and Red Hat OpenShift

Getting Started with Kubernetes - Second Edition
Mastering Kubernetes
Implementing Modern DevOps

## Kubernetes Security

## Helpers

Kubernetes Icons Set

### Nice & important 2 Know

- Kubernetes Replicas: Underappreciated Workhorses
- kubectrl Resource Short-names
- How does the Kubernetes scheduler work?
- faas-netes, a plugin to enable Kubernetes as a FaaS backend
- kubectrl explain—#HeptioProTip
- Kubernetes tips & tricks
- [Boosting your kubectrl productivity \(New\)](#)
- Ephemeral CI Testing Environments with Heptio Ark
- Using kubectrl to jumpstart a YAML file—#HeptioProTip
- 10 Most Common Reasons Kubernetes Deployments Fail (Part 1+2)
- Kubernetes NodePort vs LoadBalancer vs Ingress? When should I use what?
- Understanding kubernetes networking: ingress
- Kubernetes TCP load balancer service on premise (non-cloud)
- Kubernetes Ingress 101: NodePort, Load Balancers, and Ingress Controllers
- Accessing Kubernetes Pods from Outside of the Cluster
- Studying the Kubernetes Ingress system
- AWS ALB Ingress Controller for Kubernetes
- [Kubernetes Ingress Controllers: How to choose the right one \(NEW\)](#)
- Kubernetes recipes: Maintenance and troubleshooting
- Role Based Access Control (RBAC) with Kubernetes
- Kubernetes Day 2 Operations: AuthN/AuthZ vs OIDC and a Little Help From Keycloak (new)
- Kubernetes API Resources: Which Group and Version to Use?
- [An illustrated guide to Kubernetes Networking \[Part 1\]](#)
- [A Guide to the Kubernetes Networking Model \(NEW\)](#)

### For CKA(D) Candidates

CKA Practice Environment
Curriculum
edX course of "Introduction kubernetes"

## Learn Kubernetes using Interactive Browser-Based Scenarios

## KTHW: Kubernetes The Hard Way (a must for CKAs)

## KTHW: Kubernetes The Hard Way with Vagrant

## Kubernetes By Example (everybody should enjoy this !)

## What happens when you type `kubectl run`?

## My CKA exam “Kubernetes Certified Administrator”

## Exam Study and exercise list

## CKA Lab Exercises based on 1.14+ (NEW)

## CKAD Tips & Tricks

CKAD Guide

# CKAD Exercises

How I passed Certified Kubernetes Administrator exam on first attempt

**CKAD Resources (New)**

[illegible]

<p>Local Kubernetes development with LXD</p> <p>CKA Candidate Handbook</p> <p><b>Kubernetes Certified Administration</b></p> <p>KTHW in VBox</p> <p>Kubernetes Admin Helper</p> <p>Kubectf! Kubernetes CheatSheet</p> <p>My Journey to CKA</p> <p>Nail Your Kubernetes Admin Exam on the First Try. Tips &amp; Tricks from a Certified Administrator.</p> <p>CKA Practice Environment</p> <p>Readings and advice on how to pass CKA</p> <p>7.5 tips to help you ace the Certified Kubernetes Administrator (CKA) exam</p> <p>Getting CKA/CKAD is a matter of commitment</p> <p>How I passed the CKA (Certified Kubernetes Administrator) Exam (NEW)</p>	<p>Walid A. Shaari</p> <p><a href="#">@Noah_Abrahams</a></p> <p>Jakub Nowakowski</p> <p>Denny Zhang</p> <p>Suraj Narvade</p> <p><a href="#">Jakub Nowakowski</a></p> <p>Arush Sallil</p> <p>Davide Giunchi</p> <p>Graham Moore</p> <p>Zouhair Hamza</p> <p>Krzyszian Nowaczyk</p>	<p><a href="https://kubernetes.io/docs/getting-started-guides/ubuntu/local/">https://kubernetes.io/docs/getting-started-guides/ubuntu/local/</a></p> <p><a href="https://www.cncf.io/certification/candidate-handbook/">https://www.cncf.io/certification/candidate-handbook/</a></p> <p><a href="https://github.com/walidshaari/Kubernetes-Certified-Administrator">https://github.com/walidshaari/Kubernetes-Certified-Administrator</a></p> <p><a href="https://docs.google.com/document/d/15Z-BRbbFVHn5DUrd.25PwR6CcumkPmBKia_W3nQOn1w/edit">https://docs.google.com/document/d/15Z-BRbbFVHn5DUrd.25PwR6CcumkPmBKia_W3nQOn1w/edit</a></p> <p><a href="https://github.com/nkuba88-admin-helper">https://github.com/nkuba88-admin-helper</a></p> <p><a href="https://github.com/dennyzhang/cheatsheet-kubernetes-A4">https://github.com/dennyzhang/cheatsheet-kubernetes-A4</a></p> <p><a href="https://suraj.pro/post/journey-to-cka/">https://suraj.pro/post/journey-to-cka/</a></p> <p><a href="https://medium.com/akena-blog/88-admin-exam-tips-22961241ba7d">https://medium.com/akena-blog/88-admin-exam-tips-22961241ba7d</a></p> <p><a href="https://github.com/arush-salil/cka-practice-environment">https://github.com/arush-salil/cka-practice-environment</a></p> <p><a href="https://giunchi.net/kubernetes-certification-cka-readings-and-advice-about-how-to-obtain-it">https://giunchi.net/kubernetes-certification-cka-readings-and-advice-about-how-to-obtain-it</a></p> <p><a href="https://kubedex.com/7-5-tips-to-help-you-ace-the-certified-kubernetes-administrator-cka-exam/">https://kubedex.com/7-5-tips-to-help-you-ace-the-certified-kubernetes-administrator-cka-exam/</a></p> <p><a href="https://medium.com/@zhanza24/getting-cka-ckad-is-a-matter-of-commitment-d64d5fd2a79">https://medium.com/@zhanza24/getting-cka-ckad-is-a-matter-of-commitment-d64d5fd2a79</a></p> <p><a href="https://medium.com/@krzyszian-nowaczyk/how-i-passed-the-cka-certified-kubernetes-administrator-exam-f94b11566528?sk=922ac9612adddbbb6545584b69b0d89">https://medium.com/@krzyszian-nowaczyk/how-i-passed-the-cka-certified-kubernetes-administrator-exam-f94b11566528?sk=922ac9612adddbbb6545584b69b0d89</a></p>
<p><b>CKA Study Guide</b></p> <p><b>How to beat Kubernetes CKAD certification (New)</b></p> <p><b>Passing the CKA (New)</b></p>	<p>Nassim Kebbani</p> <p>James Strong</p>	<p><a href="https://github.com/David-VTUX/CKA-StudyGuide">https://github.com/David-VTUX/CKA-StudyGuide</a></p> <p><a href="https://medium.com/@nassim.kebbani/how-to-beat-kubernetes-ckad-certification-c84bf9d61b1">https://medium.com/@nassim.kebbani/how-to-beat-kubernetes-ckad-certification-c84bf9d61b1</a></p> <p><a href="https://jamesstrong.dev/post/passcka/">https://jamesstrong.dev/post/passcka/</a></p>
<p><a href="#">Sheet created and maintained by @kubernauts</a></p> <p>If you know about other resources or lists, please suggest the links through comments in this sheet or reply to this tweet: <a href="https://twitter.com/kubernauts/status/860575563920925698">https://twitter.com/kubernauts/status/860575563920925698</a></p> <p>If you're looking for a Vendor/Community-Maintained Kubernetes Offerings (Distros/PaaS/Managed), please follow this sheet created and maintained by Joseph Jacks (@asynchio): <a href="https://goo.gl/WvNWM5">https://goo.gl/WvNWM5</a></p> <p>If you're using any Vendor/Community-Maintained Kubernetes Offerings, please take this survey: <a href="https://goo.gl/2PbCVe">https://goo.gl/2PbCVe</a></p>		
<p><b>Join us at our Kubernauts Worldwide Meetup to learn, teach or work on real world problems and projects</b></p> <p><a href="https://www.meetup.com/kubernauts/">https://www.meetup.com/kubernauts/</a></p>		
<p><b>Any Suggestions and enhancements are more than welcome, please comment on this row or join us on slack:</b></p> <p><a href="https://kubernauts-slack-join.herokuapp.com/">https://kubernauts-slack-join.herokuapp.com/</a></p>		
<p><b>The short link to this page is:</b></p> <p><a href="https://goo.gl/Rywkpd">https://goo.gl/Rywkpd</a></p>		