



Consulting and Training | Reach New Heights

Course Name

Certified Kubernetes Administrator (CKA)

Sector Name

Information Technology

Document Type

Generated by Boostlab

[Click Here To Visit Course](#)

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770



Certified Kubernetes Administrator (CKA)

Course Introduction

The Certified Kubernetes Administrator course is the ideal way to prepare for the CKA exam. The Certified Kubernetes Administrator training covers all domains, including installation, application lifecycle management, configuration & verification, cluster maintenance, networking, planning & troubleshooting.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Certified Kubernetes Administrator (CKA)

Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Certified Kubernetes Administrator (CKA)

Learning Objectives

- ✓ Explain the Kubernetes system architecture and components.
- ✓ Design and deploy applications in Kubernetes.
- ✓ Configure and manage Kubernetes clusters.
- ✓ Troubleshoot and maintain applications running on Kubernetes.
- ✓ Manage security and authentication for the Kubernetes cluster.
- ✓ Manage networking for the Kubernetes cluster.
- ✓ Manage storage and logging for the Kubernetes cluster.
- ✓ Monitor and optimize the performance of the Kubernetes cluster.
- ✓ Deploy, extend, and troubleshoot the Kubernetes system itself.
- ✓ Maintain the underlying infrastructure.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Certified Kubernetes Administrator (CKA)

Course Outline

✓ Day 01

Storage

- ✓ Understand storage classes, persistent volumes
- ✓ Understand volume mode, access modes, and reclaim policies for volumes
- ✓ Understand persistent volume claims primitive
- ✓ Know how to configure applications with persistent storage

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Certified Kubernetes Administrator (CKA)

Course Outline

✓ Day 02

Troubleshooting

- ✓ Evaluate cluster and node logging
- ✓ Understand how to monitor applications
- ✓ Manage container stdout & stderr logs
- ✓ Troubleshoot application failure
- ✓ Troubleshoot cluster component failure
- ✓ Troubleshoot networking

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Certified Kubernetes Administrator (CKA)

Course Outline

✓ Day 03

Workloads & Scheduling

- ✓ Understand deployments and how to perform rolling update and rollbacks
- ✓ Use ConfigMaps and Secrets to configure applications
- ✓ Know how to scale applications
- ✓ Understand the primitives used to create robust, self-healing, application deployments
- ✓ Understand how resource limits can affect Pod scheduling
- ✓ Awareness of manifest management and common templating tools

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Certified Kubernetes Administrator (CKA)

Course Outline

✓ Day 04

Cluster Architecture, Installation & Configuration

- ✓ Manage role based access control (RBAC)
- ✓ Use Kubeadm to install a basic cluster
- ✓ Manage a highly-available Kubernetes cluster
- ✓ Provision underlying infrastructure to deploy a Kubernetes cluster
- ✓ Perform a version upgrade on a Kubernetes cluster using Kubeadm
- ✓ Implement etcd backup and restore

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Certified Kubernetes Administrator (CKA)

Course Outline

✓ Day 05

Services & Networking

- ✓ Understand the host networking configuration on the cluster nodes
- ✓ Understand connectivity between Pods
- ✓ Understand ClusterIP, NodePort, LoadBalancer service types and endpoints
- ✓ Know how to use Ingress controllers and Ingress resources
- ✓ Know how to configure and use CoreDNS
- ✓ Choose an appropriate container network interface plugin

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To visit Course](#)

Certified Kubernetes Administrator (CKA)

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 13, 2026	April 17, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Aug. 24, 2026	Aug. 28, 2026	5 days	4250.00 \$	UAE , Dubai
Nov. 2, 2026	Nov. 6, 2026	5 days	4950.00 \$	England , London
Jan. 10, 2027	Jan. 14, 2027	5 days	4250.00 \$	KSA , Riyadh

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

info@boostuae.com info@boostorg.com

Generated by BoostLab •

