# Docker Kubernetes Service Training

Duration: **2 Day**

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## Overview

The Docker training program leverages the pedagogical approach of learning by doing with extensive hands-on labs, enterprise-focused scenarios, and practical examples. Docker training courses are updated regularly to ensure that learners are exposed to the latest product releases and current best practices informed by Docker’s extensive field experience.

Each course features a variety of assessment instruments from practice quiz questions, lab exercises, to project-based signature assignment for learners to practice and meet the learning objectives of each course.

The Docker Kubernetes Service course is an intense and thorough introduction to Kubernetes concepts and usage. This course will teach all the core concepts related to designing, developing and deploying an application in Kubernetes, as well as how Kubernetes is integrated into Docker's enterprise edition product, Docker Universal Control Plane. Students should have some basic knowledge of containerization and creating container images as a prerequisite for this course. Platform availability: Linux.

## Prerequisites

Students should have some basic knowledge of containerization and creating container images as a prerequisite for this course.

## Who Should Attend

Developers and operations staff who have mastered the basics of making individual containers and images, but have little to no experience in Kubernetes and would like to get started with all aspects of Kube as quickly as possible.

## What You Will Learn

By the end of this course successfull learners will be able to:

- Schedule Kubernetes-managed workloads across a UCP cluster
- Control and configure Kubernetes networking in Calico
- Manage Kubernetes users through UCP using Kubernetes RBAC
- Deploy and troubleshoot Kubernetes workloads via UCP

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## Outline

### Course Outline

**Day 1**

- Introduction to Kubernetes
- Kubernetes Orchestration
- Kubernetes RBAC

**Day 2**

- Kubernetes Networking
- Kubernetes Troubleshooting