



**DigitalLearn**  
TO INSPIRE



# K8S With Docker

Launch Your Career in K8S With Docker

As businesses move towards modern technology, the need for skilled professionals in Kubernetes and Docker is growing fast. Digitalearn's **K8S with Docker** program is perfect for IT beginners and experts who want to learn how to build, run, and manage applications using these powerful tools.

This program gives you a complete mix of Docker container skills and Kubernetes management techniques. It's the best choice for individuals or teams aiming to grow in the world of cloud computing and modern app development.

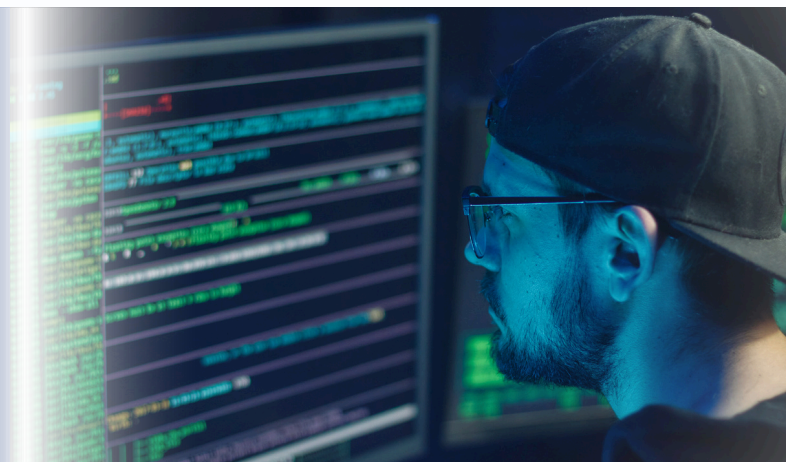
Join the **K8S + Docker combo program** and become a dual-skilled cloud professional. Gain cutting-edge knowledge and certifications that unlock amazing opportunities in this exciting field.

- **Kubernetes (K8S):** Learn to manage containers, scale applications, and keep everything running smoothly in a cluster.
- **Docker:** Discover how to create, run, and control containers for faster and smarter app development.

Master these tools and step into the future of technology!

## Key Feature to Determine Success

- **Live Projects**
- **Exam Simulation**
- **Access to Recorded Sessions**
- **40-Hour LIVE Instructor-led Training**
- **Updated Content (Market Trends)**
- **Class Feedback with Assigned Advisor**
- **Micro Batches (10 Students per Class)**
- **Individual Doubt Sessions**
- **Career Guidance and Mentorship**
- **Practical Sessions (Online)**



## How this program works differently with highlighted **Key Solutions** ?



### Career Preparation

- Mock Interview Prep (Technical + Behavioral)
- Resume Building (Ready-to-use Templates)
- Job Application Guide (Tips for Finding the Right Job)
- Internship Benefits (Hands-on Experience with Tools)



### Practical Learning

- Live Projects (5+ Real-World Projects)
- Practical Sessions (Interactive Online Learning)
- Updated Tools and Techniques



### Learning Support

- Personality Development Classes (Enhance Soft Skills)
- Class Recordings (Access Anytime for Review)
- E-books (Comprehensive Learning Materials)



### Certification and Exams

- Exam Simulation (Prepare Effectively)
- Exam vouchers ( Subject to Availability)



### Ongoing Mentorship

- Lifetime Career Mentorship (Guidance Throughout Your Career)



### Continuous Learning

- Updated Content (Stay Current with Market Trends)
- Demos (Optional Hands-on Demonstrations)



## Benefits of Docker + K8S Certification

### Professional Benefits:

- **Dual Expertise:** Docker for creating containers and Kubernetes for managing them.
- **Job Opportunities:** Qualify for roles like DevOps Engineer, Cloud Architect, or Application Developer.
- **Global Recognition:** Certifications are respected worldwide.
- **Higher Pay:** Certified professionals earn more because of their specialized skills.

### Technical Benefits

- **Fast Development:** Docker speeds up application creation and deployment.
- **Reliable Scaling:** Kubernetes ensures apps can handle growing demand.
- **Practical Skills:** Hands-on labs teach you real-world problem-solving.
- **Cloud Ready:** Skills apply to all major cloud platforms.

### Organizational Benefits

- **Efficient Apps:** Containers use fewer resources, saving money.
- **Better Uptime:** Kubernetes reduces downtime with automated recovery.
- **Scalable Systems:** Easily scale apps to meet user demands.
- **Modern Solutions:** Stay competitive with cutting-edge tools.

### Career Pathways with Full Stack Development

- **DevOps Specialist:** Automate workflows and manage deployments.
- **Cloud Engineer:** Design and maintain cloud-native applications.
- **Application Developer:** Build modern apps with containers and orchestration.
- **IT Administrator:** Ensure systems run smoothly using Kubernetes.

**Achieving Docker and Kubernetes certifications positions you as a valuable professional ready to shape the future of IT.**

# Kubernetes (K8S) with Docker Training Curriculum

## K8S with Docker: Learn Container Management and Orchestration

### Module 1:

#### Introduction to Containers and Docker

- What is a container?
- Why do we use Docker?
- Install Docker and run basic commands.
- Learn about Docker images and containers.

### Module 2:

#### Docker Basics

- Build Docker images.
- Create and run Docker containers.
- Use Docker commands like docker build, docker run, and docker ps.
- Work with Docker volumes and networks.

## Introduction to Kubernetes (K8S)

### Module 3:

#### What is Kubernetes?

- Why is Kubernetes important for managing containers?
- Understand the basic Kubernetes architecture: Pods, Nodes, and Clusters.

### Module 4:

#### Setting Up Kubernetes Cluster

- Install Kubernetes locally (Minikube).
- Start a Kubernetes cluster.
- Explore basic K8S commands like kubectl get pods, kubectl get nodes, etc.

### Module 5:

#### Deploying Docker Containers on Kubernetes

- Create a Kubernetes deployment.
- Expose containers with Kubernetes services.
- Scale applications in Kubernetes.

### Module 6:

#### Managing K8S Pods

- Learn what Pods are in Kubernetes.
- Deploy multi-container Pods.
- Use Kubernetes to manage Pods effectively.

**Module 7:****Kubernetes Volumes and Persistent Storage**

- Understand K8S persistent volumes (PV) and persistent volume claims (PVC).
- Work with storage in Kubernetes clusters.

**Module 8:****Networking in Kubernetes**

- Learn about Kubernetes networking concepts.
- Understand how Pods communicate within a cluster.
- Expose services externally using NodePort and LoadBalancer.

**Module 9:****Kubernetes and Docker Swarm: Which One to Choose?**

- Compare Kubernetes and Docker Swarm.
- When to use Kubernetes and when to use Docker Swarm.

**Module 10:****Kubernetes Monitoring and Troubleshooting**

- Use K8S commands to check the status of your apps.
- Understand how to debug Pods and services.
- Monitor resources in your Kubernetes cluster.

**Module 11:****Advanced Kubernetes Features**

- Learn about Kubernetes namespaces and deployments.
- Understand Helm charts for managing Kubernetes applications.
- Use ConfigMaps and Secrets for managing app configurations.

**Module 12:****Real-World Kubernetes Labs**

- Hands-on experience with deploying real apps on Kubernetes.
- Work with Docker and Kubernetes together.
- Get familiar with cloud-based Kubernetes services (AWS EKS, Google GKE, etc.).

**Module 13:****Security in Kubernetes**

- Learn how to secure your Kubernetes clusters.
- Work with Kubernetes security policies.
- Implement role-based access control (RBAC).

## Why is Digitalearn the Choice for Corporates for K8S with Docker Training?

By choosing Digitalearn, companies make sure their teams get the most up-to-date knowledge and practical skills to handle containerization with Docker and Kubernetes (K8S).

### **Expert-Led Training with Practical Labs**

Trained by industry experts, your team will get hands-on experience with Docker and Kubernetes. They learn by doing real-world projects.

### **Boost Employee Skills for Better Business Performance**

Employees improve their skills and can manage containers and orchestration systems better, leading to faster, more efficient work.

### **Corporate Certification and Progress Tracking**

After the course, employees get certificates that show they've mastered Docker and Kubernetes. You can also track their progress.

### **Customized Solutions for Your Business Needs**

Digitalearn tailors training to suit your company's specific needs, ensuring employees learn what is most relevant to their work.

### **Cost-Effective for Large Teams**

Training with Digitalearn saves money while ensuring all team members get the knowledge they need to manage modern infrastructures.

### **Proven Success and Customer Satisfaction**

Digitalearn has helped many companies improve their teams' skills, with a high satisfaction rate from clients

## Upon Completing the **Program**, You'll Receive:

- Digitalearn Certified K8S With Docker Certificate
- Portfolio-ready projects and access to career advancement resources



4.9 Average  
Rating



3500+  
Students  
Got Job



4000+  
Satisfied  
Learners



100+ Highly  
Qualified  
Trainers



# What Kind of Support Will You Receive?



## Mentorship

A dedicated mentor to guide you through the learning journey



## Alumni Network

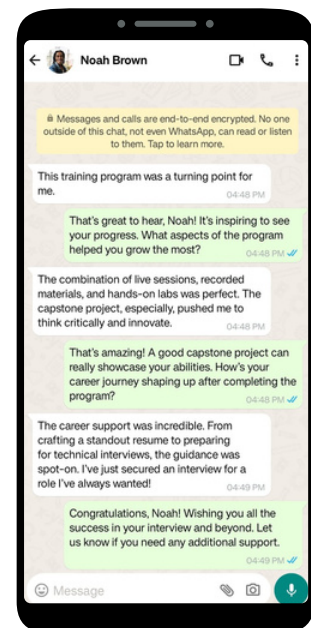
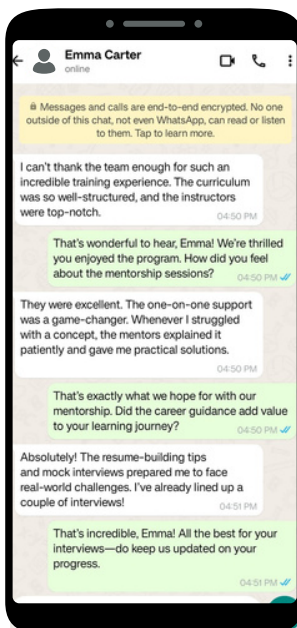
Access to a supportive community of professionals



## Career Assistance

Networking tips, job search strategies, and interview prep

What our **students** say ?



## K8S with Docker Course **FAQ**

### ? **What is K8S with Docker?**

✓ Answer:

K8S (Kubernetes) is a tool for managing many containers. Docker is a tool to make and run containers. This course teaches you how to use both for building and managing apps.

### ? **Who should take this course?**

✓ Answer:

This course is for anyone who wants to learn how to use Docker and Kubernetes together. It's great for:

- Developers
- System Admins
- IT Professionals
- Anyone interested in cloud computing or containerization.

### ? **Do I need any experience before taking this course?**

✓ Answer:

Basic knowledge of IT, networks, and how apps work will help, but it's not required. The course starts from the basics.

### ? **How long does it take to complete the K8S with Docker course?**

✓ Answer:

The course usually takes 4 to 6 weeks. You can learn at your own pace.

### ? **What topics are covered in the course?**

✓ Answer:

You will learn:

- How to use Docker to create containers.
- How Kubernetes helps manage those containers.
- How to set up and run Kubernetes clusters.
- Networking and storage in K8S.
- Real-world labs to practice.

### ? **What is the format of the exam?**

✓ Answer:

The exam is multiple-choice. You will answer questions about Docker, Kubernetes, and how they work together.

### ? **How much does the course cost?**

✓ Answer:

The price depends on the provider, but it's generally around \$500 to \$800 for the full course and exam.

**? How can I prepare for the K8S with Docker exam?**

**✓ Answer:**

You can practice using Docker and Kubernetes in hands-on labs. Follow the lessons carefully and do all the exercises to gain practical experience.

**? What jobs can I get after completing the course?**

**✓ Answer:**

After finishing this course, you can work as:

- DevOps Engineer
- Cloud Engineer
- Kubernetes Administrator
- Docker Specialist
- IT Infrastructure Engineer

**? Do I need to renew my K8S with Docker certification?**

**✓ Answer:**

Currently, there's no specific renewal requirement. However, keeping up with updates to Docker and Kubernetes is recommended.

**? Can I take the exam online?**

**✓ Answer:**

Yes, you can take the exam online from anywhere.

**? How will this course help my career?**

**✓ Answer:**

This course helps you learn the latest tools in cloud and container technology, making you more valuable to employers and opening doors to better job opportunities.

**? How is K8S with Docker different from other courses?**

**✓ Answer:**

K8S with Docker focuses on container management at scale. Unlike other courses, it teaches both the tools (Docker) and how to manage them efficiently in real-world environments using Kubernetes.

**? What do I get after completing the course?**

**✓ Answer:**

You will get a certificate showing you've mastered Docker and Kubernetes. This can help you stand out in job interviews.

**? What are the benefits of learning K8S with Docker?**

**✓ Answer:**

You will learn to manage modern, scalable applications, improve app deployment times, and enhance system performance. This is in high demand for cloud computing jobs.



## Social Media Handles:

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Office Hours :  
09:00 AM EST to 07:00 PM EST