Continuing Studies
UNIVERSITY OF WISCONSIN-MADISON

Powered by Clarusway

CERTIFIED KUBERNETES APPLICATION DEVELOPER (CKAD) PROGRAM

SCHEDULE

Mar. 24th, 2025

4 WEEKS

Enhance your capabilities, earn your certification, and take your career to new heights by mastering Kubernetes with us!

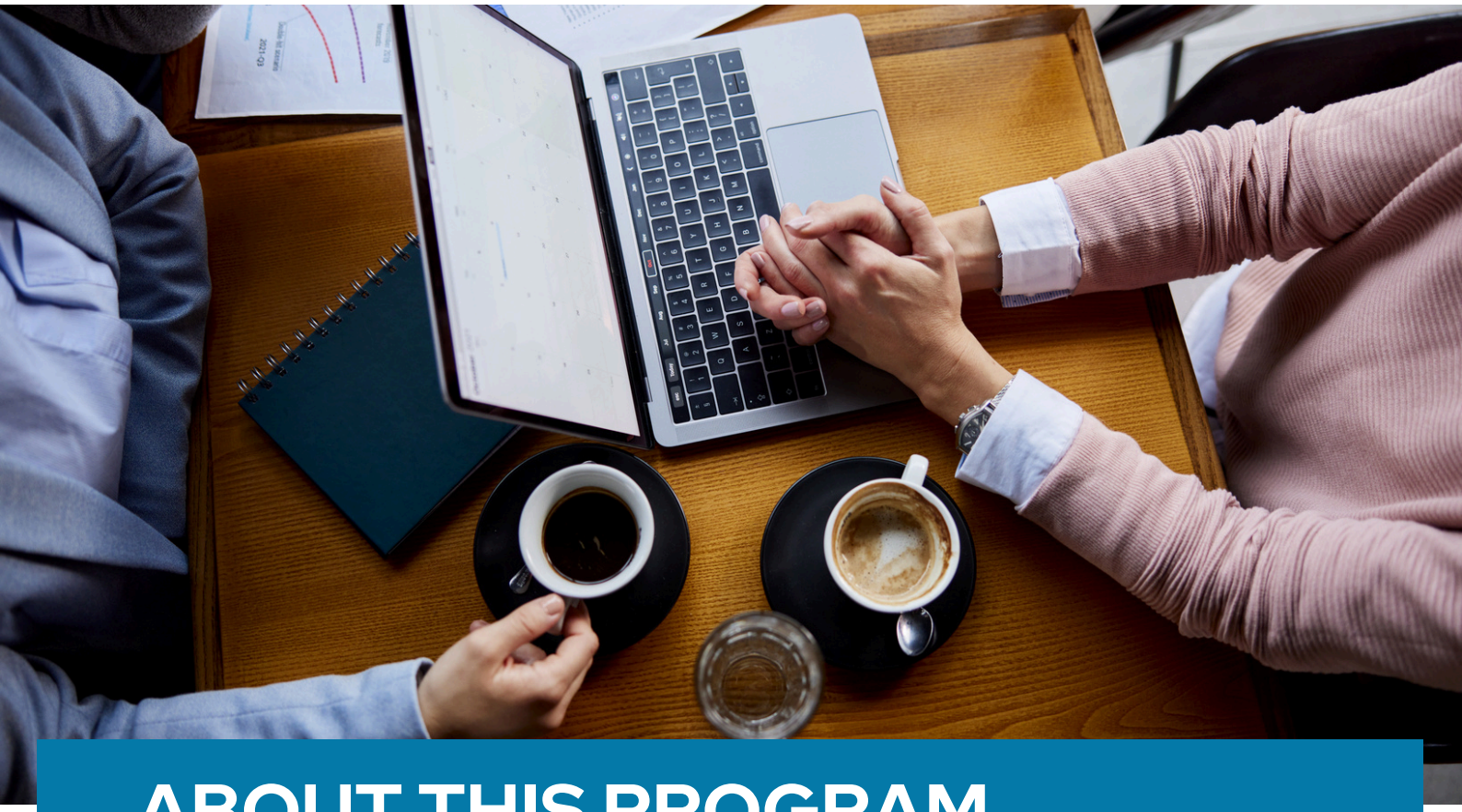
This non-credit online Clarusway partnership with the Division of Continuing Studies at the University of Wisconsin–Madison is designed to train students for CKAD certification.

Continuing Studies
UNIVERSITY OF WISCONSIN-MADISON

Powered by Clarusway

TABLE OF CONTENTS

kubernetes



ABOUT THIS PROGRAM

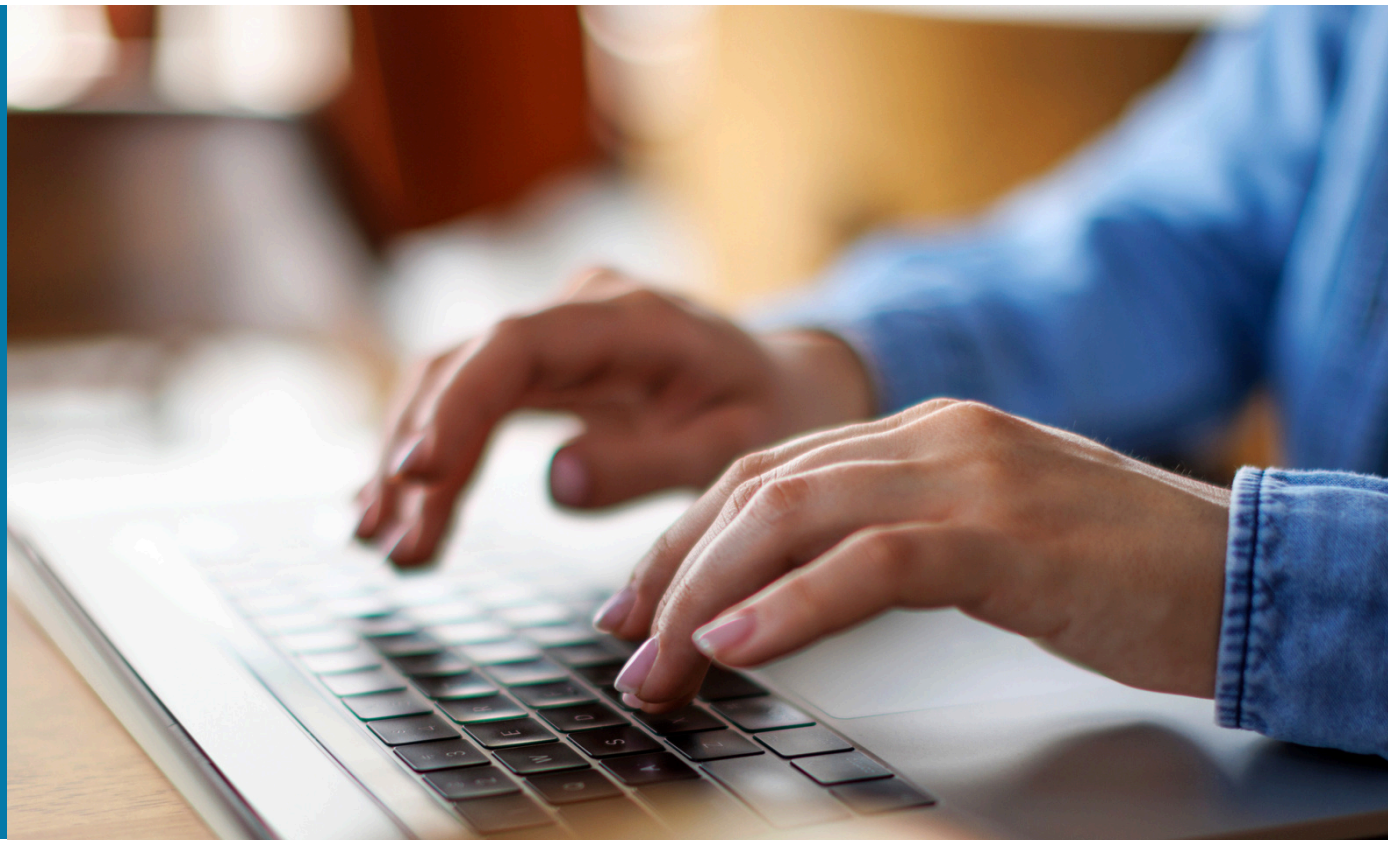
- **Kubernetes has become ubiquitous in the tech industry and continues to gain popularity every day.** As most enterprise applications require efficient resource utilization and seamless application deployment across cloud providers, Kubernetes has emerged as the key solution for maximizing benefits with minimal effort. By orchestrating microservices through simple, manageable containers, Kubernetes empowers to control scaling, resource allocation, networking, and much more.

- **In our Kubernetes CKAD Certification Course, you will delve into the foundations of Kubernetes, exploring why it has become the go-to choice for modern enterprise applications.**

- **Join our Kubernetes Certified Application Developer (CKAD) Course to master the skills needed for developing cloud-native applications using Kubernetes.** Learn industry best practices, hands-on techniques, and gain the certification to excel in the world of containerized application development.

KEY FEATURES OF THE PROGRAM

- **Flexibility:** Our 4-week, part-time program allows you to enhance your skills while balancing your current employment, offering the flexibility to learn without disrupting your schedule.
- **Comprehensive Learning:** Engage in live online classes, hands-on activities, and real-world projects three days per week, ensuring a comprehensive understanding of Kubernetes, the leading tool for container orchestration.
- **Industry Demand:** Kubernetes has become the go-to tool for container orchestration, with almost every company adopting it. The demand for IT professionals skilled in Kubernetes is higher than ever before.
- **Career Advancement:** Earn a certificate in Certified Kubernetes Application Developer (CKAD) and position yourself advantageously in the IT market. A CKAD certificate opens doors to new roles and opportunities in top companies.



WHO SHOULD ATTEND?

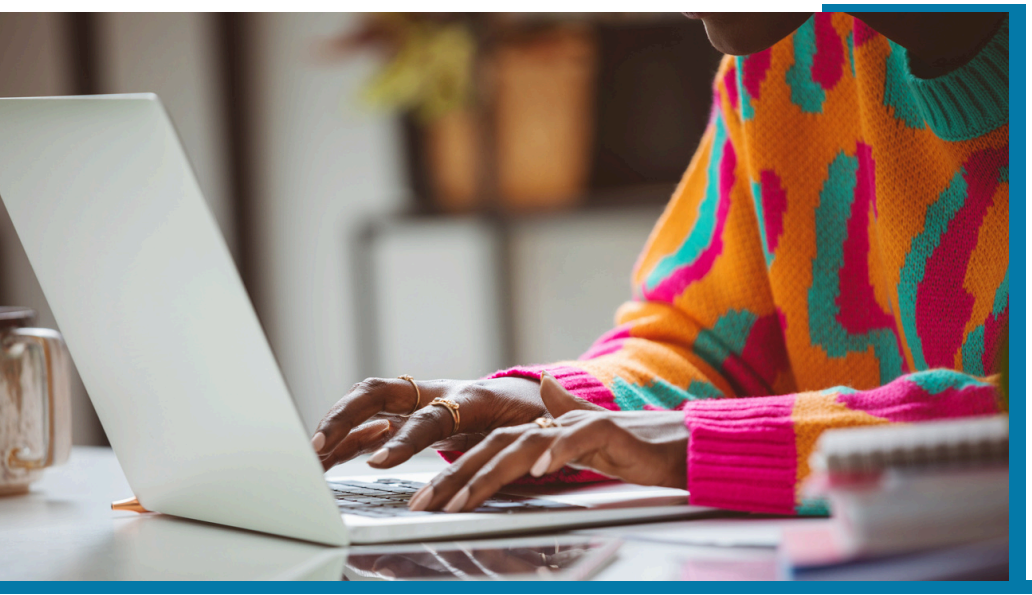
IT Professionals responsible for building, deploying, and configuring cloud native applications with Kubernetes and need to set up and maintain K8s clusters.

- Kubernetes Engineers
- Site Reliability Engineers
- DevOps Engineers
- Cloud Engineers
- System Administrators
- Software Developers
- This course is designed for people who want to become a K8s Application Developer and want to pass the CKAD certificate exam successfully.

PROGRAM BENEFITS

- **Expert-led Training:** Learn online from industry-leading professionals with extensive experience in Kubernetes and containerized application development. Our instructors are Kubernetes Certified Application Developers themselves, ensuring that you receive top-notch guidance.
- **Comprehensive Curriculum:** Our course is carefully crafted to cover all aspects of the CKAD exam syllabus. From core concepts to advanced techniques, you'll gain hands-on experience in deploying, managing, and scaling applications on Kubernetes.
- **Practical Approach:** We believe in learning by doing. Through a series of practical exercises, real-world scenarios, and interactive labs, you'll gain the practical skills and confidence to tackle any Kubernetes challenge that comes your way.
- **Exam Preparation:** Our course is specifically designed to prepare you for the CKAD certification exam. We'll provide you with valuable tips and tricks to ensure you're fully prepared to ace the test and earn your CKAD certification.
- **Networking Opportunities:** Connect with a vibrant community of like-minded IT professionals, developers, and Kubernetes enthusiasts. Expand your professional network and engage in knowledge-sharing sessions to further enhance your learning experience.
- **Flexible Learning Options:** We understand your busy schedule. That's why we offer flexible learning options through online classes. Start now and embark on your CKAD journey without limitations!

kubernetes



PROGRAM CURRICULUM

Duration: 4 weeks

Module 1 — Week 1

- Introduction to Kubernetes Basic Operations - nodes, pods, deployments, namespaces, replicasets, rollback deployments in Kubernetes.
- Networking - Sevice & Ingress.

Module 2 — Week 2

- Network Policy & Blue/Green & Canary Deployment Strategy.
- Application Build and Design - volumes, args & commands.
- Multi Container Pods & Jobs & Cron Jobs, DaemonSets.

Module 3 — Week 3

- Application Environment, Configuration, and Security - secrets and config maps, managing resources for containers, service accounts, rbac authorization, and admission controllers, and security contexts.
- Pod Scheduling, custom resource definitions, implementing probes and health checks, understanding API deprecations.
- Tools to monitor Kubernetes applications.
- Application Deployments - basic operations of Helm.

Module 4 — Week 4

- Lab (Sample Questions Solutions Based on Scenarios)
- Exam tips and advices for CKAD

LEARNING OBJECTIVES

- Mastering core concepts and architecture of Kubernetes.
- Understanding how to deploy, configure, and manage containerized applications within Kubernetes clusters.
- Learning best practices for designing and building applications that run on Kubernetes.
- Developing skills in troubleshooting, debugging, and optimizing Kubernetes workloads.
- Gaining proficiency in using Kubernetes resources such as Pods, Deployments, Services, and PersistentVolumes.
- Exploring advanced topics such as security, networking, and scalability in Kubernetes environments.
- Practicing with hands-on labs and real-world scenarios to prepare for the CKAD certification exam effectively.

PRICING PLAN

PRICE	UPFRONT (Discounted)	INSTALLMENT PLAN
$1,650	$1,500	$825/mo. 2 Months

CERTIFIED KUBERNETES APPLICATION DEVELOPER (CKAD) CLASS SCHEDULE

Day	Time (CT)	Class
Monday	-	-
Tuesday	6:00 p.m. to 9:00 p.m.	Live Class (Online)
Wednesday	-	-
Thursday	6:00 p.m. to 9:00 p.m.	Live Class (Online)
Friday	-	-
Saturday	10:00 a.m. to 1:00 p.m.	Live Class (Online)
Sunday	-	-

APPLICATION PROCESS

STEP-1

Let's get started to give your career a boost!

Review our schedule and pricing on page 9 so you know what to expect.
Have a question? Schedule a time to talk to an academic advisor HERE.

STEP-2

Submit Application

Let's get started!
Join our program by submitting your application and choosing a start date. The general application takes approximately 3-4 minutes and does not contain a technical assessment. This is followed by a 30-minute interview with a member of our admissions team.

STEP-3

Tuition & Financing

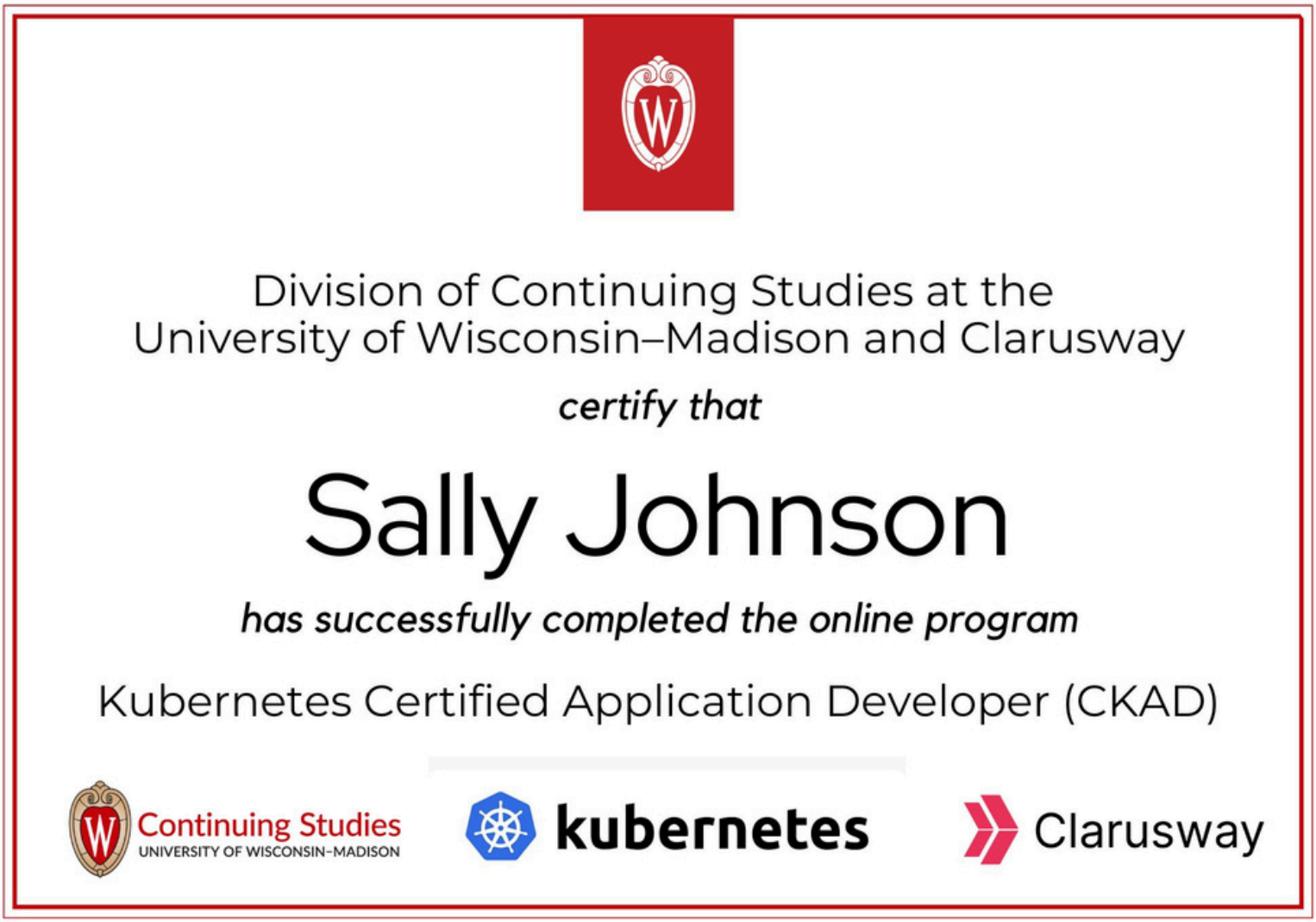
An Admissions Advisor will help you find the best solution for your budget. Don't worry, we offer a variety of plans to suit almost anyone.

STEP-4

Final step - it's go time!

Once you're accepted, you will receive an Enrollment Agreement.
An Admissions Advisor will create your Learning Management System (LMS) log-in and Slack account. We will assist you in getting started so you're ready to go!

CERTIFICATE OF COMPLETION



**The image is for illustrative purposes only. The actual certificate is subject to change at the discretion of the Division of Continuing Studies at the University of Wisconsin–Madison*

Clarusway

Way To Reinvent Yourself

CERTIFIED KUBERNETES APPLICATION DEVELOPER (CKAD) PROGRAM

APPLY NOW

+1 (571) 360 66 77

contact@clarusway.com

www.clarusway.com