



Certificate in Cloud Native Development with Kubernetes

Vskills Certifications

Vskills Brochure



Certificate in Cloud Native Development with Kubernetes

Cloud-native application development is an approach to developing software applications based on well-known techniques and technologies for cloud computing. Cloud-native applications are characterized as small, independent, and loosely coupled services implemented usually by microservices.

Kubernetes is a container-orchestration system for automating computer application deployment, scaling, and management. Kubernetes provides the support for development, deployment and management of cloud-native applications.

Why should one take Certificate in Cloud Native Development with Kubernetes?

Cloud Native Development is the hottest application development approach as it gains widespread usage due to extensive usage of cloud computing especially due to COVID pandemic.

Vskills Certificate in Cloud Native Development with Kubernetes provides a hands-on approach to understand the nuances of cloud native development as well as understand Kubernetes to design, build, and manage cloud native applications.

The certification attests to your understanding and applying skills and knowledge in cloud native development with Kubernetes and helps you to stand out amongst your peers to help in gaining better career prospects.

The certification covers

- Kubernetes Basics
- Developing Cloud-Native Software
- kubectl
- Cloud-Native Application Deployment

Who will benefit from taking Certificate in Cloud Native Development with Kubernetes?

Web Application Developers, Software Development Engineers, Team Leads, Senior Software Engineers, IT managers benefit immensely by opting for Vskills Certificate in Cloud Native Development with Kubernetes to gain an edge in the popular software development approach using Kubernetes and be noticeable amongst their colleagues and are able to make progress in their respective careers.

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Students taking the certification also gain by showcasing their understanding of microservices architecture and are able to increase their job opportunities.

Test Details

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 2,499/- (Excludes taxes) *

* Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

Companies that hire Vskills Certificate in Cloud Native Development with Kubernetes Professionals

Cloud Native Development is the widely used and accepted approach for software development, there is a huge demand for certified professionals all across the globe. Companies like Google, Flipkart, IBM, Accenture, Fiserv, Mindtree, Dell, Infosys, Tech Mahindra, etc are looking for certified professionals.

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1. Cloud Native Computing

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- 1.2 Cloud Native Computing Foundation
- 1.3 What is meant by Cloud Native Application?
- 1.4 Cloud Native Architecture
- 1.5 Cloud Native Principles
- 1.6 Cloud Native Services
- 1.7 Security and Cloud Native Applications

2. Kubernetes

- 2.1 Kubernetes Basics
- 2.2 Introduction to Kubernetes Cluster

3. Developing Cloud-Native Software

- 3.1 Cloud-Native Software Architectures
- 3.2 Source Repositories
- 3.3 Container Registry
- 3.4 Notifications
- 3.5 CI/CD Workflows

4. Kubernetes and Cloud Native Development

- 4.1 Develop Kubernetes Clusters
- 4.2 Configure Kubernetes Clusters
- 4.3 kubectl Basics
- 4.4 kubectctl Basics

5. Cloud-Native Application Deployment

- 5.1 Deployment Process Basics
- 5.2 Applying kubectl
- 5.3 Developing Continuous Delivery Workflow

Certifications

- ▶ **Accounting, Banking & Finance**
 - Certified GST Professional
 - Certified AML-KYC Compliance Officer
 - Certified Business Accountant
 - Certified BASEL III Professional
 - Certified GAAP Accounting Standards Professional
 - Certified Treasury Markets Professional
- ▶ **Big Data**
 - Certified Hadoop and Mapreduce Professional
- ▶ **Cloud Computing**
 - Certified Cloud Computing Professional
- ▶ **Design**
 - Certified Interior Designer
- ▶ **Digital Media**
 - Certified Social Media Marketing Professional
 - Certified Inbound Marketing Professional
 - Certified Digital Marketing Professional
- ▶ **Foreign Trade**
 - Certified Export Import (Foreign Trade) Professional
- ▶ **Health, Nutrition and Well Being**
 - Certified Fitness Instructor
- ▶ **Hospitality**
 - Certified Restaurant Team Member (Hospitality)
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 - Certified HR Compensation Manager
 - Certified HR Staffing Manager
 - Certified Human Resources Manager
 - Certified Performance Appraisal Manager
- ▶ **Office Skills**
 - Certified Data Entry Operator
 - Certified Office Administrator
- ▶ **Project Management**
 - Certified Master in Project Management
 - Certified Scrum Specialist
- ▶ **Real Estate**
 - Certified Real Estate Consultant
- ▶ **Marketing**
 - Certified Marketing Manager
- ▶ **Quality**
 - Certified Six Sigma Green Belt Professional
 - Certified Six Sigma Black Belt Professional
 - Certified TQM Professional
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 - Certified International Logistics Professional
 - Certified Logistics & SCM Professional
 - Certified Supply Chain Management Professional
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 - Certified IPR & Legal Manager
 - Certified Labour Law Analyst
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 - Certified Corporate Law Analyst
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 - Certified Angular JS Professional
 - Certified Basic Network Support Professional
 - Certified Business Intelligence Professional
 - Certified Core Java Developer
 - Certified E-commerce Professional
 - Certified IT Support Professional
 - Certified PHP Professional
 - Certified Selenium Professional
- ▶ **Mobile Application Development**
 - Certified Android Apps Developer
 - Certified iPhone Apps Developer
- ▶ **Security**
 - Certified Ethical Hacking and Security Professional
 - Certified Network Security Professional
- ▶ **Management**
 - Certified Corporate Governance Professional
 - Certified Corporate Social Responsibility Professional
 - Certified Leadership Skills Professional
- ▶ **Life Skills**
 - Certified Business Communication Specialist
 - Certified Public Relations Officer
- ▶ **Media**
 - Certified Advertising Manager
 - Certified Advertising Sales Professional
- ▶ **Sales, BPO**
 - Certified Sales Manager
 - Certified Telesales Executive

& many more job related certifications

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