Vskills
CERTIFIED
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Certified Master of DevOps

Vskills Certifications

Vskills Brochure

Skills for a secure future

Certified Master of DevOps

DevOps is a set of practices that combines software development and IT operations. It aims to shorten the systems development life cycle and provide continuous delivery with high software quality. DevOps is complementary with Agile software development; several DevOps aspects came from the Agile methodology.

Vskills certification in DevOps is focused on enhancing candidate's skills in tools, techniques and concepts of DevOps which includes Kubernetes, Docker, Jenkins, Chef, Puppet 6 , Git and GitHub.

Note: Please note that the course comes with online e-learning (videos) only. No hard copy will be provided.

Why should one take this certification?

The certification is a proof of your skills in DevOps involving Kubernetes, Docker, Jenkins, Chef, Puppet 6 , Git and GitHub.. The certification not only boosts the learning of the candidate but also acts as a platform to assess them.

The certification covers

- DevOps Basics
- Kubernetes and Docker
- Jenkins
- Chef
- Puppet 6
- Git and GitHub

Who will benefit from taking this certification?

The certification is of immense benefit to professionals engaged in DevOps, software development or management department especially senior executives and managerial cadre candidates, to increase and demonstrate their skills in DevOps.

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. 19,999/- (Excludes taxes)*

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

Table of Contents

1. DevOps Basics
- DevOps Introduction
- Docker
- Infrastructure as Code
- Ansible
- Continuous Integration, Configuration Management, and Continuous Delivery
- Git, Vagrant and Docker
- Configuration Management and Clustering
- Monitoring Solution (Monit and Nagios)
- Best Practices and Security

2. Kubernetes and Docker

This module covers
- Build secure, resilient, scalable and rapidly evolving distributed applications using Docker containers.
- Containerize your application services and learn how to use secrets to handle sensitive data, instrument the services to monitor them, and deal with persistent data.
- Learn how to create production ready deployments for your distributed application using Kubernetes.

3. Jenkins
This module covers
- Learn the core concepts of Jenkins
- Learn to build CI/CD pipeline using Jenkins
- Learn to configure Jenkins as per your development stack
- Learn to use Jenkins with Docker

4. Chef
This module covers
- Describe how Configuration Management with Chef is performed.
- Be technically savvy in the process of installing and configuring servers in the cloud or in an on-premise datacentre.
- Gain an understanding of Chef's core components, architecture, and terminology and have basic fluency with the most commonly used tools.
- Be able to utilize and describe Chef terms like Resources, Recipes, Cookbooks, The Chef Server, Roles, Environments, and Data Bags

5. Puppet 6

This module covers
- Manage complex code with the new Code Manager to manage your code, schedule jobs, and configure persistence
- Manage multiple jobs through Puppet Orchestration
- Create new configuration and functionality with Puppet tasks
- Manage multiple Puppet environments with files and repositories
- Manage and version code through Git repositories
- Use PuppetDB to store data asynchronously
- Automate Puppet-testing with Jenkins
- Use advanced virtualization techniques

6. Git and GitHub

This module covers
- Discover how to undo changes using git checkout, git revert, and git reset
- Create your first local repository
- Learn how to check the history of your project

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)

Human Resources
- 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

Logistics & Supply Chain Management
- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Supply Chain Management Professional

Legal
- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

Information Technology
- 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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