



# Certified OpenStack Professional

**Vskills Certifications**

Vskills Brochure



# Certified OpenStack Professional

OpenStack is a free and open-source software platform for cloud computing, mostly deployed as infrastructure-as-a-service, whereby virtual servers and other resources are made available to customers.

OpenStack is a cloud operating system that controls large pools of compute, storage, and networking resources throughout a data center, all managed and provisioned through APIs with common authentication mechanisms.

Only e-learning video access will be provided.

## Why should one take this certification?

The certification is suitable for web developers, programmers and graduates wanting to excel in web application development areas. It is also well suited for those who are already working and would like to take certification for further career progression in web application development.

Earning Vskills OpenStack Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

## Who will benefit from taking this certification?

Job seekers looking to find employment in IT or software development departments of various companies, students who want to learn angular OpenStack.

## 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. 3,499/- (Excludes taxes) \*

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

# Table of Contents

## **1. Let's Deploy OpenStack Now?**

- 1.1 What Is Virtualization and Cloud Computing?
- 1.2 What Is OpenStack? When and Why?
- 1.3 Getting Started to Play with OpenStack
- 1.4 Installing OpenStack All-In-One
- 1.5 Appreciating the Cloud We Just Built

## **2. Bird's-eye View of OpenStack**

- 2.1 OpenStack Architecture
- 2.2 OpenStack Components

## **3. Deploying OpenStack Cloud Brick by Brick - A Deep Dive**

- 3.1 Preparing the Basic Environment
- 3.2 Keystone
- 3.3 Glance
- 3.4 Nova
- 3.5 Neutron
- 3.6 Horizon

## **4. Now for OpenStack's Magic**

- 4.1 Cinder
- 4.2 Swift
- 4.3 Heat

## **5. Bells and Whistles of OpenStack**

- 5.1 OpenStack Ceilometer
- 5.2 OpenStack Trove
- 5.3 OpenStack Magnum
- 5.4 OpenStack Murano
- 5.5 Other OpenStack Services

## **6. OpenStack APIs - Development**

- 6.1 API Request Workflow and Authentication
- 6.2 Programming OpenStack
- 6.3 Programming Your Way to an Instance

## **7. OpenStack in Production**

- 7.1 OpenStack Deployment at Scale
- 7.2 Making Room for the Elephant
- 7.3 DevOps OpenStack
- 7.4 PechaKucha

## **8. Troubleshooting**

- 8.1 Deployment Issues
- 8.2 Where Are the Logs?
- 8.3 Troubleshooting Pre-Boot Issues
- 8.4 Troubleshooting Post-Boot Issues

## 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

Contact us at:  
V-Skills  
011-473 44 723 or [info@vskills.in](mailto:info@vskills.in)  
[www.vskills.in](http://www.vskills.in)