



OCI DevOps Professional Certification Course

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Course Overview

OCI DevOps Professional certification course is a **virtual Instructor-Led online course** which is specially designed for DevOps Professionals who want to prepare themselves for **Oracle Cloud Infrastructure DevOps Professional Certification**. The OCI DevOps Professional certification is intended for DevOps professionals and developers who are responsible for DevOps and automation in their OCI environments.

This course covers the Oracle Cloud Infrastructure (OCI) DevOps service which consists of an end-to-end, continuous integration and continuous delivery (CI/CD) platform where developers can build, test, and deploy their applications. At the end of this course, you will be prepared to take on the **Oracle Cloud Infrastructure DevOps Professional Certification** exam with ease.

Course Objectives

After attending this course, learner's will be able to demonstrate the following skills:

- Implement key DevOps concepts, like automation and Infrastructure as Code using Ansible and Resource Manager.
- Enable DevSecOps using Identity and Access Management, Key and Secrets Management, and Container Security.
- Implement DevOps measurement and instrumentation, using Monitoring, Logging, and Events.
- OCI DevOps integration with tools like Ansible and Jenkins.
- Deploy and orchestrate microservices-based applications using Oracle Cloud Infrastructure Registry and Oracle Container Engine for Kubernetes.
- Configure and manage continuous integration and continuous delivery (CI/CD) using OCI DevOps projects and its components. These include Code Repositories, Build and Deployment Pipelines, and Artifact and Container Registries.

Why take up this course?

- The demand for public cloud is at an all-time high, and more than 80% of all companies would adopt public cloud in the next 5 years.
- The average salary of a DevOps professional with OCI DevOps Professional certification is minimum INR 35L per year.
- People who have OCI skills will have great demand in the industry. Our online training will help you learn OCI skills and hence upgrade your career.

Who should attend this course?

- **DevOps Engineer, DevOps Architect** who wants to prepare for the OCI DevOps Certification Exam.
- **Cloud Application Developers, Technical Leads or Application Architects** who are responsible for designing and developing OCI solutions.
- **Cloud Engineer, Solution Architects or Solution Design Engineers** who would like to architect solutions on OCI cloud.

What are the Prerequisites for this course?

Following are these prerequisites for this course:

- Basic concepts of cloud computing and DevOps knowledge.
- Basic understanding of Oracle Cloud.

Please note that the sessions will be conducted via google meet and require an Internet Connection and headset with microphone connected to your computer or laptop.

Course Highlights

- Advanced Curriculum - **Designed by subject specialists** and reviewed by **industry experts**.
- Interactive Learning - **Engaging content, easy to learn with no prior experience** required.
- Discussion Forums - **Ask questions and engage** in discussions with instructors and other learners.
- Hands-on Lab Sessions - Practice **Labs** and Exam Preps are **available 24/7** for **hands-on** skill development.
- Real Life Case Studies - Learn about **use cases, solutions, challenges, best practices** and much more.
- Career Mentoring - Get **guidance** on your **professional development** and **career advancement**.
- Job Assistance - through our network of **450+ Hiring Partners** across Pan India.
- Flexible Scheduling - **Flexible batch timings** to suit your availability. Most classes are scheduled either on **weekends** or in the **evening hours**.
- 24/7 Technical Support - Get **24/7 technical support** to resolve all your technical queries even after you have completed the course.
- Lifetime Access - You get lifetime access to **course material** including presentations, videos etc.

Course Features

Virtual Online Instructor Led	24 hours Course Duration	Certificate of Completion
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Course Curriculum

Module 1.0 : DevOps Introduction

- 1.1 : DevOps Overview
- 1.2 : DevOps Tools and Advantages
- 1.3 : OCI DevOps Service Overview

Skill Test

Module 2.0 : Configuration Management and Infrastructure as Code

- 2.1 : Automation Overview
- 2.2 : Configuration Management Overview
- 2.3 : Ansible with OCI
- 2.4 : Intro to Terraform
- 2.5 : Terraform Configurations
- 2.6 : OCI Resource Manager Basics
- 2.7 : Syncing Resource Manager and Infrastructure
- 2.8 : Extending the Console

Practice Session : Hands-on Lab

Skill Test

Module 3.0 : Microservices and Container Orchestration

- 3.1 : Microservices and Container Orchestration Overview
- 3.2 : Microservices Architecture Overview
- 3.3 : Microservices Design Methodology
- 3.4 : Introduction to Containerization
- 3.5 : Docker Component and Basic Commands
- 3.6 : Working with Docker Images and Repository
- 3.7 : Introduction to Oracle Cloud Infrastructure Registry (OCIR)
- 3.8 : Managing OCIR

Practice Session : Hands-on Lab

Skill Test

Module 4.0 : Kubernetes Overview

- 4.1 : Introduction to Kubernetes
- 4.2 : Kubernetes Architecture Overview
- 4.3 : Kubernetes Architecture Components and its features
- 4.4 : Introduction to Oracle Container Engine for Kubernetes (OKE)
- 4.5 : Prerequisite to create an OKE Cluster

- 4.6 : Creating OKE Cluster on OCI
- 4.7 : Setting up Cluster Access
- 4.8 : Deploying an application to OKE
- 4.9 : Observing an OKE Cluster
- 4.10 : Accessing the OKE Dashboard
- 4.11 : Scaling and Deleting the OKE Cluster

Practice Session : Hands-on Lab

Skill Test

Module 5.0 : Continuous Integration and Continuous Delivery (CI/CD)

- 5.1 : Introduction to CI/CD
- 5.2 : DevOps IAM Policies
- 5.3 : Configuring OCI Security for DevOps
- 5.4 : DevOps Projects and Code Repositories
- 5.5 : Create a DevOps Project
- 5.6 : Configuring a SSH Authentication Token
- 5.7 : Mirror Code Repositories
- 5.8 : Artifacts and Registries
- 5.9 : Environments
- 5.10 : Build Pipelines
- 5.11 : Examining the build_spec.yaml file
- 5.12 : Getting artifacts from your build pipeline
- 5.13 : Deployment Pipeline
- 5.14 : Combining Build and Deployment Pipelines
- 5.15 : Automated Triggering of the Pipelines
- 5.16 : Deployment Strategies - BG Deployment
- 5.17 : Deployment Strategies - Canary Deployment
- 5.18 : Helm Overview
- 5.19 : Helm chart structure and basic commands
- 5.20 : Helm chart Deployment to OKE
- 5.21 : Continuous Testing and OCI Support for External Tools

Practice Session : Hands-on Lab

Skill Test

Module 6.0 : DevSecOps

- 6.1 : DevSecOps Introduction
- 6.2 : OCI Vault Overview
- 6.3 : OCI Vault integration with OCI Services

- 6.4 : OCI Vault Secrets Overview
- 6.5 : OKE Security Overview
- 6.6 : Kubernetes Secrets
- 6.7 : OKE Cluster Security
- 6.8 : OKE Node Pool Security
- 6.9 : OKE Network Security
- 6.10 : OKE Multi-Tenant Considerations
- 6.11 : OKE Image Security
- 6.12 : Security for Oracle Functions Overview
- 6.13 : Controlling Access with IAM Policies
- 6.14 : Defining Network Sources for Restricting access to Functions
- 6.15 : Leveraging Oracle Functions for Private Network Access

Practice Session : Hands-on Lab

Skill Test

Module 7.0 : Observability Services

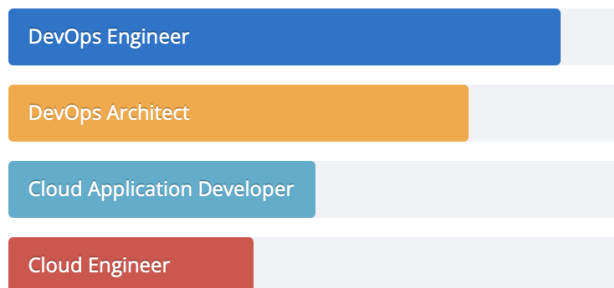
- 7.1 : Introduction to Observability
- 7.2 : Monitoring Service
- 7.3 : Notification Service
- 7.4 : Logging Service
- 7.5 : Custom and Service Logs
- 7.6 : Events Service

Practice Session : Hands-on Lab

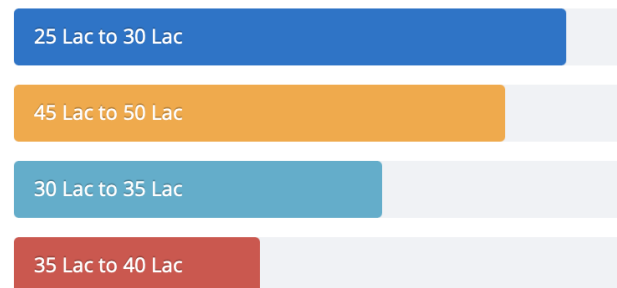
Skill Test

Average Salary Trends

Post Program Career Options



Average Salary Trends

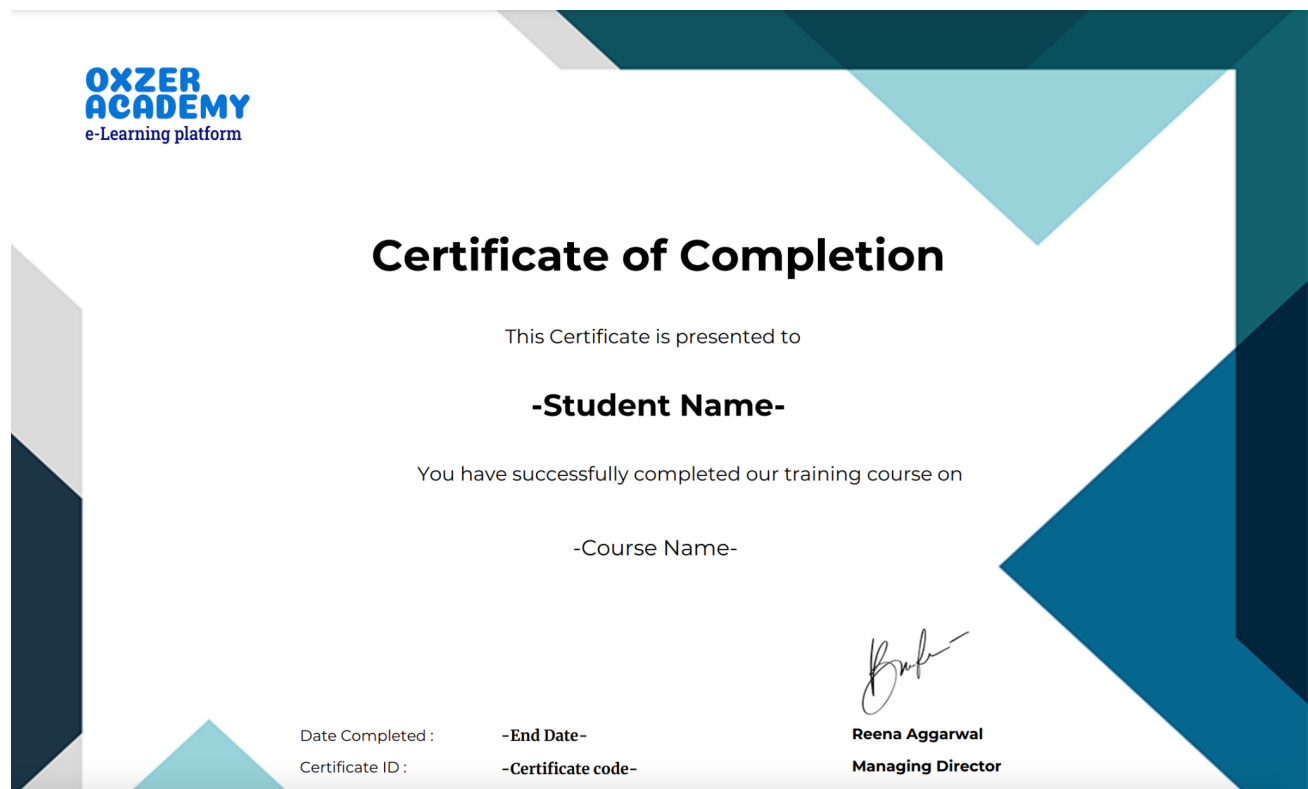


Hiring Companies



Sample Certificate

After the completion of the course, you will get an industry recognized certificate from Oxzer Academy.



Frequently Asked Questions

What are the advantages of doing a course from Oxzer Academy?

The advantages of doing a course from Oxzer Academy are multifold.

- Our Instructors are professional trainers who have extensive technology and domain experience, including years of experience training & mentoring professionals in the industry.
- You get lifetime access to course material including presentations, videos etc.
- You get the industry recognised certificate from Oxzer Academy on your successful course completion.
- We give you an option to attend a free trial class before enrolling in the course.
- We provide 24 * 7 online support to resolve all your technical queries even after you have completed the course.

- We provide flexible batch timings to suit your availability. Most classes are scheduled either on weekends or in the evening hours, so that the class timings do not overlap with your other work during the day time.
- In case you miss any class, in that case you can go through the recorded videos of that lecture. Also there is an option to attend the lecture in a different batch if there is a seat available.
- Every module in the course will be followed with a quiz to assess your learning.
- We give you extensive time to complete the hands-on labs and assignments.
- We have smaller batches with a limited number of people in a single batch to ensure quality learning.

Is this a Virtual Instructor Led training or Classroom training?

This is a Virtual Instructor Led training (VILT) where an instructor will facilitate a training session for a group of learners over a virtual setting (online mode). Similar to traditional instructor-led classroom training, VILT is synchronous, collaborative, and happens in real-time.

How many learners will be there in a single batch?

This is a virtual online Instructor Led course. There will be a maximum of 20 learners in a single batch.

Does the course include hands-on labs?

Yes, the course curriculum includes both hands-on lab and theory sessions as well. The hands-on labs will be continuously monitored by our instructor and you get sufficient time to complete your labs. It is mandatory for the learners to attend both the labs as well as theory sessions for successful course completion.

Will the lab access available after the course completion?

All our labs are provisioned in the cloud. So you can only access the labs during the duration of the course. Ideally, once you have completed your course, your lab access will be removed as well. But in exceptional cases where you need extension for an additional time, you can drop an email to helpdesk@oxzeracademy.com or open a support ticket with our helpdesk regarding this. Once your request has been considered and approved by management, you will receive an email notification within 48 hours from Oxzer Academy providing you with the status on the lab extension. You can request for extension only once.

How is an online class typically structured?

The online classes will happen on google meet or similar communication platform. You will be notified with the login details before every class.

Is there any trial class provided by the Instructor?

Yes, you are eligible for one free trial class. You can attend your first class as a trial class. Please note that there is only one trial class provided for each course.

How many trial classes are provided under this course?

There is only one trial class provided under this course.

Do learners need to attend the classes at a specific time?

Yes, classes are structured in batches and each batch has a specific time. You can enrol yourself in a batch which suits your availability. If you are not able to attend the lecture due to any specific reason then you can go through the recorded videos of that lecture. Also there is an option to attend the lecture in a different batch if there is a seat available.

Is Certification exam fees included in the course fees?

No, certification exam fee is not included in the course fees. If you wish to appear for the certification exam after course completion, then you need to enrol separately for the certification exam. Please note that any payments which are done on the third party websites, then the terms and condition, refund policy etc of the third party website will be applied.

Will there be any refund if I cancel my enrollment in between the courses?

No, there will be no refund in such cases. Please read the Refund policy carefully before enrolling in the course. <https://www.oxzeracademy.com/refund-policy/>

How do I get in touch with Oxzer Academy customer support?

We have a 24/7 help desk to support our learners, instructors, customers and partners. You can raise a support ticket to our help desk from this page <https://www.oxzeracademy.com/submit-ticket/> Additionally, you can find our contact information on our website <https://www.oxzeracademy.com>

What is Oxzer Academy's response to the posted complaint?

Oxzer Academy will review the complaint within one hour of submission and will also take necessary action within 24 hours on the posted complaint if required.

How do learners and instructors interact in an online class?

There are various channels through which the learners and instructor interact in an online class. Learners can post his question in the google meet or similar communication platform chat and the instructor will respond. Then the learner can raise his hand, unmute himself and can directly ask questions to the Instructor. Also, towards the end of every lecture, there will be a query session for 15 minutes in which the learner can ask any doubt from the Instructor.

Do online classes have in-person components?

No, all our classes will be delivered in an online mode only. In case you require a hard copy of your course completion certificate, it will be courier to your communication address.

What if I have queries after course completion?

We provide 24/7 online support to resolve all your technical queries even after you have completed the course. Your access to our Technical Support is for a lifetime. Our support team will help you in resolving queries, during and after the course. You can raise a support ticket to our technical support from this page
<https://www.oxzeracademy.com/submit-ticket/>

Do we get any certificate after completion of the course?

Yes, except for courses listed under academic category, you will get a certificate after you complete the course successfully.

Where can I find the course duration?

You can find the course duration on the course details page.

What are typical assignments in online classes?

Online course assignments depend largely on the course you have enrolled into. But in general, learners should expect assignments similar to those in-person programs. An assignment may require you to work either individually or in groups with other learners on a project. Depending on your course, you may also be required to prepare and give remote presentations.

How do learners take exams in online classes?

Exams will be conducted online after all the modules in the course are completed. It is mandatory to switch on the camera while giving a Test or Exam and will be strictly

monitored by the instructor. You should score at least 60% marks in the qualifying exam to complete the course successfully and receive your course certificate.

What should learners know before enrolling in an online course?

Before enrolling in an online course a learner should go through all the details regarding the course, prerequisite etc. for which they are enrolling and must read all terms and conditions of Oxzer Academy before enrolling in the course.

Do you also provide job placement assistance?

Yes, our placement team will assist you in all possible ways to find a right job if you are in need of the same. The final decision on hiring will always be based on your performance in the interview and the requirements of the recruiter. Moreover, Oxzer Academy courses are well recognized in the industry as it is a testament to the intensive and hands-on learning you have gone through and the real life use cases you have learned during the course.

How soon after signing up would I get access to the Learning Content?

Once you enrol to the course, the LMS access will be instantly provided to you and will be available for lifetime. You will be able to access the complete set of previous class recordings, PPTs, PDFs, assignments etc. Moreover the access to our 24x7 support team will be granted instantly as well.

Is the course material accessible to the learners even after the course training is over?

Yes, the access to the course material will be available for lifetime once you have enrolled into the course.

Where can I read the Terms and Conditions of Oxzer Academy?

You can read the complete set of Terms and Conditions for this program at <https://www.oxzeracademy.com/terms-and-conditions/>

About Oxzer Academy

Oxzer Academy is one of the leading e-learning platforms with more than 1 million learners across 50+ countries. We provide virtual instructor led courses in over 18 categories. Apart from this we also provide corporate training for organisations to transform their workforce by upskilling them.

Our courses are delivered by subject matter experts from top organisations who have more than 15+ years of relevant industry experience training & mentoring professionals in the industry.

Contact Us

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If you have any further queries or just want to have a conversation with us, then give a missed call on any of this number.

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