DEVOPS
CERTIFICATION TRAINING

Demonstrate your understanding of core DevOps principles and practices, terminology and culture

Benefits of DevOps Certification

- Support organizational efforts in reducing costs while increasing agility, quality and customer service
- Gain an understanding of DevOps, the cultural and professional movement that stresses communication, collaboration, integration, and automation to improve the flow of work between software developers and IT operations professionals.
- Develop a baseline understanding of key DevOps terminology
- Understand the business value of DevOps to reduce cost with increased quality and agility to support business objectives in support of digital transformation initiatives

Key Features

- DevOps certification training instructor-led classroom course
- Training conducted by a Certified Instructor
- 2 full-length simulation tests
- Course Completion Certificate
- Complimentary E-learning for all participants
- Instructor-led Live Online training also available
- Classroom and Live Online training worldwide

Instructor-Led Classroom Training
4-Day DevOps Certification exam prep classroom training workshops conducted worldwide.
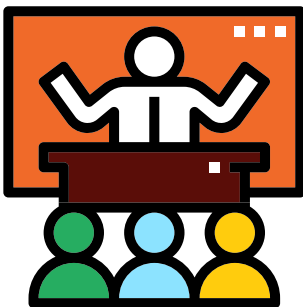
Instructor-Led Live Online Training
Provided to your company's employees across global locations through Citrix GoToMeeting or Cisco WebEx.

Self-Paced E-Learning
Anywhere, anytime access to E-Learning through a Learning Management System for employees across the globe.

Enterprise Training
In-House certified instructor-led 4-day DevOps certification training in your office across global locations.

DevOps Course Agenda

1. INTRODUCTION
- Prerequisites for the Exam.

2. IMPLEMENTING CONTINUOUS INTEGRATION AND CONTINUOUS DELIVERY
- Understanding the devops Mindset.

3. UNDERSTANDING APPLICATION LIFECYCLE MANAGEMENT
- Version Control.
- AWS CodeDeploy and CodePipeline.
- Bootstrapping and Building Images.
- Blue-green Deployments.

4. AUTOMATING INFRASTRUCTURE WITH CLOUDFORMATION
- CloudFormation Key Concepts.
- DependsOn and Conditional Resources.
- Troubleshooting Failed Stacks.
- Creating Nested Templates.
- Custom Resources.
- CloudFormation Best Practices.

5. DEPLOYING APPLICATIONS WITH ELASTIC BEANSTALK
- Elastic Beanstalk key Concepts.
- Working with Docker.
- Generating an Authentication File.
- Building Custom Images with a Dockerfile.

6. CREATING STACKS AND MANAGING CONFIGURATION WITH OPSWORKS
- Opsworks Key Concepts.
- Understanding Lifecycle Events.
- Working with Cookbooks and Recipes.
- Replacing Failed Instances with Auto Helping.

DevOps Course Agenda

7. ARCHITECTING FOR HIGH AVAILABILITY AND SCALABILITY
- Understanding Elasticity and Scalability.
- Implementing Disposable Resources.
- Loosely Coupled Architectures.
- Architecting with Services Instead of Servers.
- Eliminating Single Points of Failure.

8. UNDERSTANDING AUTO SCALING
- Implementing Lifecycle Hooks.
- Creating Self Healing Auto Scaling Groups.

9. IMPLEMENTING SCALABLE AND HIGHLY AVAILABLE DATABASES
- Overview of Amazon RDS.
- Building Your Own Database Servers on EC2.
- Getting Started with DynamoDB.
- DynamoDB Provisioned Throughput.
- Secondary in dexes in DynamDB.

10. DEPLOYING A HIGHLY AVAILABLE AND ELASTIC   ARCHITECTURE

11. SERIES SUMMARY
- Series Wrap Up and Next Steps.

12. UNDERSTANDING AWS SECURITY BEST PRACTICES

13. IMPLEMENTING DELEGATION AND FEDERATION
- Taking a Closer Look at IAM Roles.
- Deleting Access to Resource in Another AWS Account.
- Corporate Identity Federation Use Cases.
- Custom Identity Broker.
- SAML Complaint Identity Provider.
- Web Identity Federation.
- Cognito Basic Authentication Flow.

DevOps Course Agenda

14. PROTECTING DATA IN-FLIGHT AND AT REST
- Protecting Data in Amazon S3.
- Protecting Data in Transit Over Public Links.

15. ENABLING IT GOVERNANCE WITH AWS SERVICES
- Understanding IT Governance.
- Asset Management.
- Cost Central.
- Logical Access Control.
- Securing IT Resource.
- Log Management & Performance Monitoring.

DevOps - Prerequisites

- Familiarity with IT terminology and IT related work experience are recommended.

DevOps Foundation Certification Exam

- 40 multiple-choice questions
- 60 minutes duration
- 65% marks (26 out of 40) required to successfully clear the DevOps Foundation Certification Exam leading to the DevOps Foundation Certificate.
- The certification is governed and maintained by the DevOps Institute.

DevOps - Target Audience

The target audience for the DevOps Foundation course includes Management, Operations, Developers, QA and Testing professionals such as:

The course is suitable for:

- Individuals involved in IT development
- IT operations or IT service management
- Individuals who require an understanding of DevOps principles
- IT professionals working within, or about to enter, an Agile Service Design Environment
- Automation Architect
- Application Developers
- Business Analysts
- Business Managers
- Business Stakeholders
- Change Agents
- Consultants
- DevOps Consultants

- DevOps Engineers
- Infrastructure Architect
- Integration Specialists
- IT Directors
- IT Managers
- IT Operations
- IT Team Leaders
- Lean Coaches
- Network Administrators
- Operations Managers
- Project Managers
- Release Engineers
- Software Developers
- Software Tester/QA
- System Administrators
- Systems Engineers
- System Integrators
- Tool Providers

Source: https://devopsinstitute.com/certifications/devops-foundation/

Top 10 Reasons to get a DevOps Certification

- Re-invent Your Career.

- Get noticed in the talent pool of an expanding DevOps Job Market as a DevOps Certified Professional.

- Increase your Employability and Earning Potential.

- Get Recognition with more challenging work and lucrative assignments.

- Enhance your Professional Competency.

- Get hands-on experience on DevOps tools.

- Familiarize yourself with Software Development (Dev) and Technology Operations (Ops) lifecycle.

- Increase your Productivity at work.

- Get an in-demand and a globally recognized certification.

- Get DevOps Certified to Recession-proof your Career.

Read more: https://www.icertglobal.com/top-10-reasons-to-get-devops-certified/detail
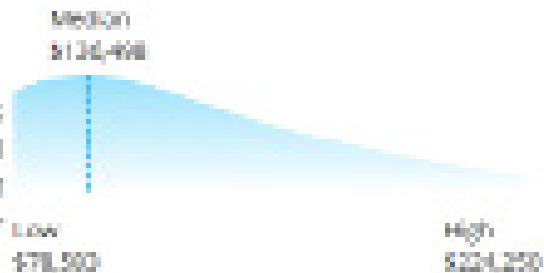
Average Salary of a DevOps Engineer

United States Of America

Devops engineer: Salary

Based on 12,748 salaries

$136,498 / Year

The average **Devops Engineer** salary in USA is $136,498 per year or $70 per hour. Entry level positions start at $78,585 per year while most experienced workers make up to $224,250 per year.

Median
$136,498

Low
$78,585

High
$224,250

United Kingdom

Devops engineer: Salary

Based on 30,926 salaries

£57,482 / Year

The average **Devops Engineer** salary in UK is £57,482 per year or £29.48 per hour. Entry level positions start at £22,864 per year while most experienced workers make up to £89,767 per year.

Median
£57,482

Low
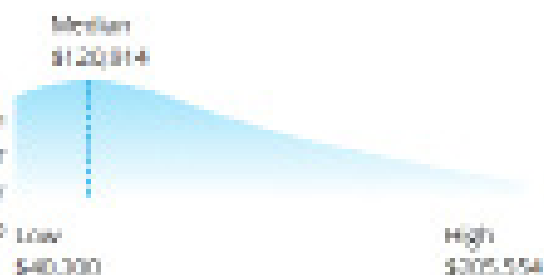£22,864

High
£89,767

Australia

Devops engineer: Salary

Based on 314 salaries

$120,914 / Year

The average **DevOps Engineer** salary in Australia is $120,914 per year or $62.01 per hour. Entry level positions start at $40,300 per year while most experienced workers make up to $205,554 per year.

Median
$120,914

Low
$40,300

High
$205,554

Source: https://neuvoo.com

We are an Education Technology company providing certification training courses to accelerate careers of working professionals worldwide. We impart training through instructor-led classroom workshops, instructor-led live virtual training sessions, and self-paced e-learning courses.

We have successfully conducted training sessions in 108 countries across the globe and enabled thousands of working professionals to enhance the scope of their careers.

Our enterprise training portfolio includes in-demand and globally recognized certification training courses in Project Management, Quality Management, Business Analysis, IT Service Management, Agile and Scrum, Cyber Security, Data Science, and Emerging Technologies. Download our Enterprise Training Catalog here.

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