PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Continuous Testing Foundation	**Course Duration**: 2.0 Days
Exam: Not Included	**Exam Type**: Proctored Exam
Qualification: Continuous Testing Foundation Certificate	

Course Syllabus

Our Continuous Testing Foundation training course covers the following modules:

Module 1: Course Objectives and Modules, Logistics

- What is DevOps testing and its business benefits?
- Relation of DevOps testing to other test methodologies
- Principles of DevOps testing best practices & terminology

Module 2: Culture changes

- Organisational changes
- Process and team friction
- Motivation strategies
- Measuring success

Module 3: Continuous Evolution

- Troubleshooting

Module 4: DevOps Pipeline

- Testing on the pipeline
- Test strategy choices
- Pre-Flight strategies

Module 5: Continuous Integration Testing

- System Testing
- Delivery Testing
- Customer Testing
- Test Environments
- Lab Management
- Topology orchestration
- Test Automation Frameworks
- Test Tools
- Selection criterion
- Automated metrics
- Key concepts

Module 6: DevOps Management

- DevOps Test Management Metrics
- DevOps Management Tools
- DevOps Test Results Analysis
- Integrating DevOps Results Analysis
- Fictitious Product Test Requirements

Course Overview

Our two-day Continuous Testing Foundation training course will teach you the tools and strategies of a DevOps Test Engineer. A DevOps Test Engineer plays a crucial role in ensuring the quality, reliability, and efficiency of software development and delivery processes within a DevOps environment.

Our Continuous Testing Foundation training course is unique in the testing training and certification market as it is the first course that addresses testing in a DevOps environment. This includes the active use of test automation, testing earlier in the development cycle, and instilling testing skills in developers, quality assurance, security, and operational teams.

Course Learning Outcomes

The learning outcomes of our Continuous Testing Foundation training course:

- Execute DevOps testing strategies, test management, and results analysis.
- Explore how DevOps testers fit within the DevOps community and how their function differs from other types of testing.
- Optimise the integration of DevOps testing into continuous integration and continuous delivery workflows.
- Prepare strategies for selecting test tools and implementing test automation.
- Participate in unique activities designed to apply training.
- Take sample documents, templates, tools, and techniques with you post-training.
- Access to DevOps Institute additional sources of information and communities.
- Exam is included to test for certification.

Audience

Our Continuous Testing Foundation training course is relevant for any modern IT professional involved in defining or deploying a DevOps testing strategy for their organisation.

Entry-Level Requirements

Our Continuous Testing Foundation training course requires attendees to have:

- Familiarity with IT software development and operations responsibilities
- General knowledge of software quality assurance testing concepts

Recommended Reading

There is no recommended reading for our Continuous Testing Foundation training course.

What's Included

Our two-day Continuous Testing Foundation training course includes the following:

- Pre-reading
- Course Manual
- Quizzes
- Exercises

Exam Information

Continuous Testing Foundation Exam:

- Duration: 60 minutes
- Exams are Open Book and web-based
- Kryterion Global Testing Solutions administer DOI exams
- To maintain the certification's value and integrity, all candidates must attend approved DOI classes through one of the DOI REPs (Registered Education Providers) to be eligible to sit the exam

What's Next

You might enjoy our two-day Test Techniques - Foundation Level Workshop training course.

Our two-day Test Techniques – Foundation Level Workshop will provide you with practical guidance on the application of test case design techniques (and measures of test coverage), and advice on the choice of which of these techniques and measures to use. The aim is to provide you with a tool-set of techniques from which you can then choose most effectively.

Our Test Techniques – Foundation Level Workshop will give you practical hands-on experience of applying the most popular test case design techniques to example problems, each of which is supported by model answers.

Additional Information

Our Continuous Testing Foundation training course offers several benefits to software development and delivery processes. There are several key advantages to this training including but not limited to:

- **Early and Continuous Feedback**: DevOps Test Engineering emphasizes the integration of testing activities throughout the entire development lifecycle, starting from early stages such as development and integration.
- **Improved Software Quality**: By incorporating testing as an integral part of the development process, DevOps Test Engineering ensures that software is thoroughly tested for functionality, performance, security, and other quality aspects.
- **Faster Time-to-Market**: DevOps Test Engineering helps streamline the software delivery pipeline by automating testing processes and integrating them with the CI/CD pipeline.
- **Efficient Test Automation**: DevOps Test Engineering promotes the use of test automation tools and frameworks, enabling efficient and reliable execution of tests.
- **Scalability and Flexibility**: DevOps Test Engineering supports scalable and flexible testing environments, leveraging techniques like infrastructure-as-code.