
DevOps: Continuous Testing Foundation (CTF)

Enhance quality, accelerate delivery, and minimize risk across the DevOps pipeline

This course is given as an intensive two-day workshop introducing learners to the principles, strategies, and practices of continuous testing within a DevOps environment. It covers key terminology, culture, automation, frameworks, test planning, and management best practices. Continuous testing helps teams detect and mitigate risk throughout the delivery process, leading to faster releases with higher quality outcomes.

DEVOPS VERSION

This course introduces the Continuous testing principles and is based on the CTF v1.0 Exam Requirements

LANGUAGE

The course, course materials and exam are in English.

COURSE OBJECTIVES

In two days, participants will acquire the knowledge and skills required to:

- Explain the purpose and benefits of continuous testing in a DevOps context
- Understand DevOps continuous testing concepts and vocabulary
- Differentiate DevOps testing from traditional testing approaches
- Describe continuous testing strategies and planning best practices
- Identify and select testing tools and automation techniques
- Integrate testing within CI/CD pipelines
- Understand how testing roles align with the DevOps culture and team structures

TARGET AUDIENCE

This course is ideal for professionals engaged in test planning, automation, and delivery within DevOps environments

COURSE STRUCTURE

This course comprises a series of interactive discussions supplemented by classroom and other exercises resembling exams.

STUDY DAYS

2 days of learning, including the final exam (scheduled later by candidate).

COURSE CONTENT

The following elements are covered in this course:

- Continuous Testing Fundamentals: Concepts, purpose, and benefits
- DevOps Continuous Testing Culture: Roles, responsibilities, alignment with DevOps
- Testing Strategies & Planning: Designing effective testing approaches
- Test Management Best Practices: Managing and analyzing test results
- Test Automation: Tool selection and automation frameworks
- Continuous Integration & Delivery Testing: Integrating tests into CI/CD pipelines
- Frameworks & Tools: Test frameworks and practical toolsets
- Strategy Definition: Developing a DevOps test strategy

COURSE PLAN

Day 1:

- Introduction to continuous testing concepts
- DevOps testing terminology and business benefits
- Continuous testing culture and team roles
- Distinguishing DevOps testing from traditional approaches

Day 2:

- Testing strategies and planning
- Best practices for test management and result analysis
- Test automation frameworks and tool selection
- Integrating continuous testing into CI/CD workflows and strategy development

PREREQUISITE

No formal prerequisites

EXAM

The official DOI/PeopleCert Continuous Testing Foundation (CTF) exam is included.

The participant will receive a voucher valid for 12 months to write their exam and will need to schedule his/her exam.

The Certification exam will be written electronically following the training. This requires access to a connected computer with active audio and video.

Format: 40 multiple-choice questions.

Duration: 60 minutes.

It is recommended to get the training from an accredited organization with an accredited training material.