# DevOps Institute: Continuous Testing Foundation (CTF)® - Including Exam

## Duration: 2 Days    Course Code: CTF

## Overview:

This comprehensive course addresses testing in a DevOps environment and covers concepts such as the active use of test automation, testing earlier in the development cycle, and instilling testing skills in developers, quality assurance, security, and operational teams.
The course is relevant for every modern IT professional involved in defining or deploying a DevOps testing strategy for their organization, as test engineering is the backbone of DevOps and the primary key for successful DevOps pipeline to support digital transformation.
Actionable and exciting exercises will be used to apply the concepts covered in the course and sample documents, templates, tools, and techniques will be provided to leverage after the class.
This certification positions learners to successfully complete the Continuous Testing Foundation exam.
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## Target Audience:

Anyone involved in defining a DevOps Testing strategy, such as: Delivery Staff, DevOps Engineers, IT Managers, Project Managers, Lab Staff, Maintenance and Support Staff, Quality Assurance Managers, Quality Assurance Teams, Release Managers, Testers, Software Engineers.

## Objectives:

- **After completing this course you should understand:**

- The purpose, benefits, concepts, and vocabulary of DevOps testing

- How DevOps testing differs from other types of testing

- DevOps testing strategies, test management, and results analysis

- Strategies for selecting test tools and implementing test automation

- Integration of DevOps testing into Continuous Integration and Continuous Delivery workflows

- How DevOps testers fit with a DevOps culture, organization, and roles

## Prerequisites:

**Attendees should meet the following pre-requisites:**

- An understanding and knowledge of common DevOps terminology and concepts.
- Related work experience.

## Testing and Certification

**Recommended as preparation for the following exams:**

- Continuous Testing Foundation
Successfully passing (65%) the 60-minute examination, consisting of 40 multiple-choice questions, leads to the Continuous Testing Foundation? Certificate. The certification is governed and maintained by DevOps Institute, a member of the PeopleCert Group.

## Content:

Module 1: DevOps Continuous Testing Concepts, Terminology, and Benefits

Module 2: DevOps Continuous Testing and Culture

Module 3: DevOps Continuous Testing Strategies

Module 4: DevOps Continuous Testing Frameworks and Tools

Module 5: DevOps Test Planning Best Practices

Module 6: DevOps Test Automation Best Practices

Module 7: DevOps Test Management and Analysis Best Practices

Module 8: Defining a DevOps Test Strategy

## Additional Information:

### Benefits for Organizations
Well-engineered DevOps test environments accelerate releases, improves quality, and reduce waste
Test automation improves acceptance speed and frequency of software changes
Testing results provide a source of truth that helps align teams for greater efficiency and satisfaction
**Benefits for Individuals**
Developers and QA career growth towards DevOps and digital transformation opportunities
Skills gained positions individuals as DevOps leaders because specific test engineering skills are key to success with DevOps
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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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