

# DevOps Test Engineering (DTE)

Duration 2 Days

## COURSE DESCRIPTION

A DevOps test engineer is an individual accountable for testing software in a DevOps environment. DTE is unique in the testing training and certification market as it is the first course available 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. DTE is relevant for any modern IT professional involved in defining or deploying a DevOps testing strategy for their organization.

This sixteen (16) hour course describes culture and team aspects for test engineering, test strategies, test infrastructures, test tools, test automation, best practices, test management and analysis.

## COURSE OBJECTIVES

The learning objectives for DTE include a practical understanding of:

- 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

## COURSE OUTLINE

- Course Introduction
- DevOps Testing Concepts and Terminology
- DevOps Culture and Roles
- DevOps Test Engineering Strategies
- Infrastructure and Tools
- Test Planning Best Practices
- Test Automation Best Practices
- Test Management and Analysis Best Practices
- Summary
- Study Guide
- Exam Requirements
- Sample Exam and Answer Key
- Taxonomy/Glossary of Terms

## CERTIFICATION

Successfully passing the certification exam leads to the candidate's designation as a certified DevOps Test Engineer (DTE)<sup>™</sup>. The certification is governed and maintained by the DevOps Institute; exams are delivered through an independent, global examination partner.

## PREREQUISITES

- DevOps Foundation<sup>®</sup> Certification Course
- Completion of pre-class assignment
- General knowledge of software quality assurance testing concepts

## WHO SHOULD ATTEND

- Anyone involved in defining a DevOps Testing strategy
- Quality Assurance Managers
- Testers and Quality Assurance Teams
- Software Engineers and DevOps Engineers
- IT Managers
- Project Managers
- Lab staff
- Release Managers and delivery staff
- Maintenance and support staff
- Anyone involved in testing tool selection