

DevOps Training Series: Continuous Testing Foundation (CTF)SM

Course Fee: HK\$9,900 (May apply up to HK\$6,600 subsidy)

*Maximum saving, with the final grant subjects to approval.



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.

Participants will learn how to optimize testing, to test faster and still obtain good quality and a consistent stable result.

Programme code	10013343
Duration and time	2 days 9:30-17:30
Venue	1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Medium	Cantonese, supplemented with English terminology
Course fee	HK\$9,900 (May apply up to HK\$6,600* subsidy)
Prerequisite	An understanding and knowledge of common DevOps terminology and concepts and related work experience are recommended.

Course Description

The course is relevant for every IT professional involved in defining or deploying a DevOps testing strategy for the 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 course positions participants to successfully complete the Continuous Testing Foundation exam.

RTTP Training Grant Application

Companies should submit their RTTP training grant application for their employee(s) via <https://rttp.vtc.edu.hk/rttp/login> at least two weeks before course commencement. Alternatively, [application form](#) could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Course Objectives

The learning objectives 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 Objectives and Modules, Logistics

What is DevOps Testing and its Business Benefits?

Relation of DevOps testing to other test methodologies

DevOps testing best practices

- DevOps Testing Terminology
- Culture changes
- Organization changes
- Process and team friction
- Motivation strategies
- Measuring Success
- Continuous Evolution
- Troubleshooting

What is the DevOps pipeline?

- DevOps Testing on the pipeline
- Test strategy choices
- Pre-Flight strategies
- Continuous Integration Testing
- System, Delivery and Customer Testing
- Test Environments
- Lab Management
- Topology orchestration

Test Automation Frameworks

- Test Tools
- Selection criterion
- Automated metrics
- Key concepts

Test Case Best Practices & Design Exercise

Test Suite Best Practices & Design Exercise

Principles of DevOps Management

DevOps Test Management Metrics

DevOps Management Tools

DevOps Test Results Analysis

Integrating DevOps Results Analysis

Test Management Exercise

Fictitious Product Test Requirements

Individual Exercise

Class discussion

Exam Preparation

Certification Exam

Successfully passing (65%) the 60-minute examination, consisting of 40 multiple-choice questions, leads to the candidate's designation as Continuous Testing Foundation (CTF) certified. The certification is governed and maintained by the DevOps Institute.

Target Audience

- Anyone involved in defining a DevOps Testing strategy.
- The target for IT professionals including:

- 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

Trainer Information

Paulino KOK has over 30 years experience in the technology field holding various positions from application development, infrastructure technology, portfolio, program & project management, service management, security & risk management, leadership coaching, innovation design thinking facilitation, employment engagement & HR people operations, and agile & digital transformation. He has worked for financial, manufacturing and retail industries of multi-national companies, of which two are components of the Dow Jones Industrial Index and Fortune 100 Best Companies.

Paulino is an accredited Trainer of DevOps Institute.

Special to HKCS members

- ❖ May enjoy up to HK\$300 Bookstore Coupon. **Promo Code: CS11HK2020**
- ❖ Can apply for the **certification of CPD hours**, this course hours will be counted.

Please visit: <http://www.hkcs.org.hk/continuous-professional-development-cpd/> for your information about CPD Hours.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online OR
2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Mr Desmond CHAN). Please indicate the course name and course code on the envelope.



[Enrolment Link](#)

Supporting Organisations (In arbitrary order)

