

## Continuous Testing Foundation

### Přehled

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. This course prepares you for the Continuous Testing Foundation(CTF)™ certification.

### Vzdělávací cíle

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

### 1 - Course Objectives and Modules, Logistics

### 2 - What is DevOps Testing and its Business Benefits?

### 3 - Relation of DevOps Testing in other Test Methodologies

### 4 - DevOps Testing Best Practices

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

### 5 - 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

[Online registrace](#)

### Termíny

Trvání kurzu (v dnech): 2 Days

G2R = "Garantovaný termín"   OLL = "Online LIVE" ILT = "Kurz vedený instruktorem"					
11/30/20	G2R	5:00PM - 1:00AM	Praha, Czech Republic	OLL	CZK 0.00
02/22/21		3:00PM - 11:00PM	Praha, Czech Republic	OLL	CZK 0.00
05/10/21	G2R	5:00PM - 1:00AM	Praha, Czech Republic	OLL	CZK 0.00

## 6 - Test Automation Frameworks

Test Tools  
Selection criterion  
Automated metrics  
Key concepts

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## 7 - Test Case Best Practices & Design Exercise

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## 8 - Test Suite Best Practices & Design Exercise

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## 9 - Principles of DevOps Management

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## 10 - DevOps Test Management Metrics

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## 11 - DevOps Management Tools

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## 12 - DevOps Test Results Analysis

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## 13 - Integrating DevOps Results Analysis

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## 14 - Test Management Exercise

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## 15 - Fictitious Product Test Requirements

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## 16 - Individual Exercise

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## 17 - Class discussion

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## 18 - Exam Preparation

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