



# ISTQB® CTFL Performance Testing

The Foundation Level Performance Testing qualification is aimed at people who already hold the Software Testing Foundation and wish to develop further their expertise in Performance Testing.

To be eligible to undertake the Performance Testing Foundation certification exam, candidates must first hold the ISTQB® Foundation Certificate.

## CONTENTS

| Basic Concepts   | Performance Measurement Fundamentals | Performance Testing in the Software Lifecycle               | Performance Testing Tasks           | Tools            |
|--|--------------------------------------|---|-------------------------------------|------------------|
| Principles of Performance Testing                            | Typical Metrics Collected            | Principal Performance Testing Activities                    | Planning                            | Tool Support     |
| Types of Performance Testing                                 | Aggregating Results                  | Categories of Performance Risks for Different Architectures | Analysis, Design and Implementation | Tool Suitability |
| Testing Types in Performance Testing                         | Key Source of Metrics                | Performance Risks Across the Software Development Lifecycle | Execution                           |                  |
| The Concept of Load Generation                               | Typical Results                      | Performance Testing Activities                              | Analyzing Results and Reporting     |                  |
| Common Performance Efficiency Failure Modes and Their Causes |                                      |   |                                     |                  |

## EXAM STRUCTURE

\* 26 points or more

\*\* Only for participants that take the exam not in their spoken language

\*\*\* Each correct answer has a value of 1 point



## BUSINESS OUTCOMES

- Understand the basic concepts of performance efficiency and performance testing.
- Define performance risks, goals, and requirements to meet stakeholder needs and expectations.
- Understand performance metrics and how to collect them.
- Develop a performance test plan for achieving stated goals and requirements.
- Conceptually design, implement, and execute basic performance tests.
- Analyze the results of a performance test and state implications to various stakeholders.
- Explain the process, rationale, results, and implications of performance testing to various stakeholders.
- Understand categories and uses for performance tools and criteria for their selection.
- Determine how performance testing activities align with the software lifecycle.

For more information, please contact: [ruí.cardoso@pstqb.pt](mailto:ruí.cardoso@pstqb.pt)

