



# 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 taking the exam in a language other than their mother tongue;

\*\*\* Each correct answer equals 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.

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