

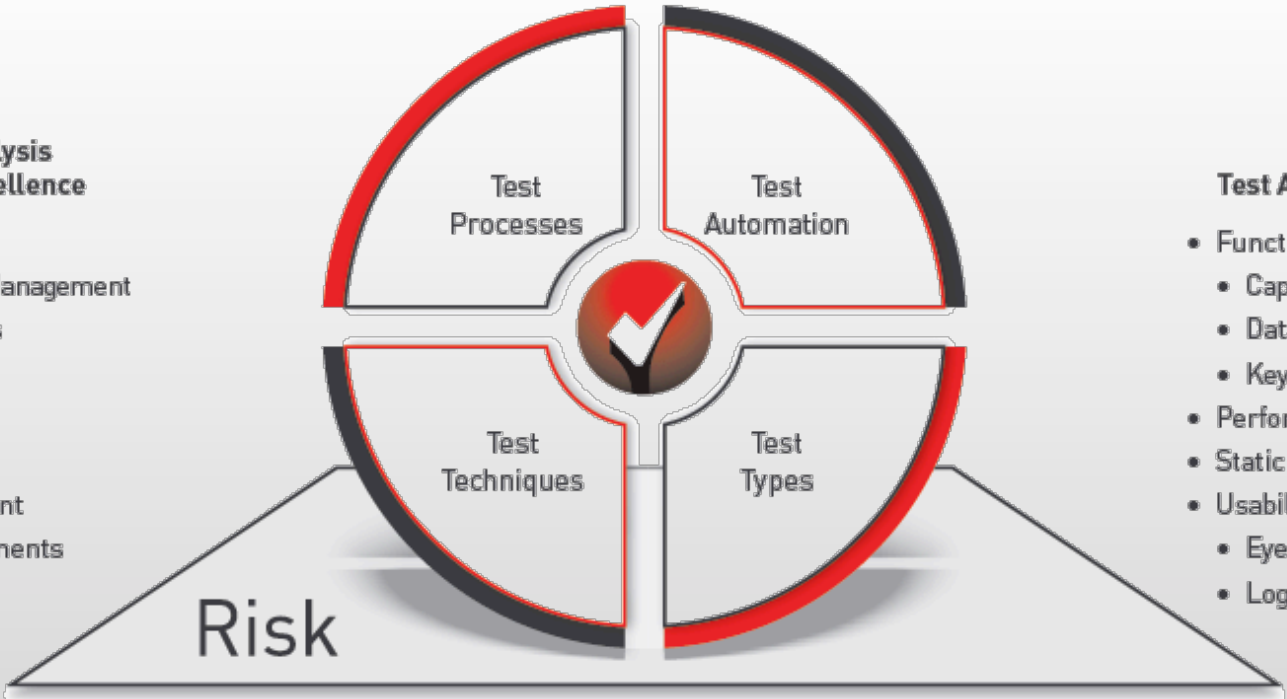
Performance Testing Approach

Define Test Strategy

Test Types & Levels

- | | | | | | | | |
|---------------------|----------------|-------------------------|--------------------|---------------------|-------------------|--------------------|--------------------|
| Integration Testing | System Testing | User Acceptance Testing | Functional Testing | Performance Testing | Usability Testing | Structural Testing | Regression Testing |
|---------------------|----------------|-------------------------|--------------------|---------------------|-------------------|--------------------|--------------------|

- Business Analysis Center of Excellence**
- Use Cases
 - Requirement Management
 - UML Diagrams
 - BPEL
 - BPMN
 - ALM
 - CR Management
 - Agile Requirements Management



- Test Automation Tools**
- Functional Testing
 - Capture & Play
 - Data Driven
 - Keyword Driven
 - Performance Testing
 - Static Testing
 - Usability Testing
 - Eye Tracking
 - Logging

Test Techniques

- | | | | | | | | |
|------------------|-------------------------|------------------------|------------------------|------------------|-------------------|--------------------|---------------------|
| Use Case Testing | Boundary Value Analysis | Combinatorial Analysis | Decision Table Testing | State Transition | Decision Coverage | Statement Coverage | Exploratory Testing |
|------------------|-------------------------|------------------------|------------------------|------------------|-------------------|--------------------|---------------------|

Define Performance Test Objectives



- To validate that **software meets the minimum performance requirements**
- To provide an **informative feedback regarding systems responsiveness** under various load levels
- To **establish a baseline for performance** that can be used to measure any future changes made on the software

Define Responsibilities



CUSTOMER

**Business Scenarios,
Test Data &
Infrastructure**

tested by
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**Performance Test Planning,
Development, Execution &
Reporting**

Define Test Objects / Environments



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Select Test Tools & Related Software



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Define The Workload Model

Test Scenario	Duration	User Load
All Scenarios	Ramp-Up Time: *** Minutes	*** Virtual Users
	Full-Throttle Time: *** Minutes	
	Cool-Down Time: *** Minute	

Performance Test

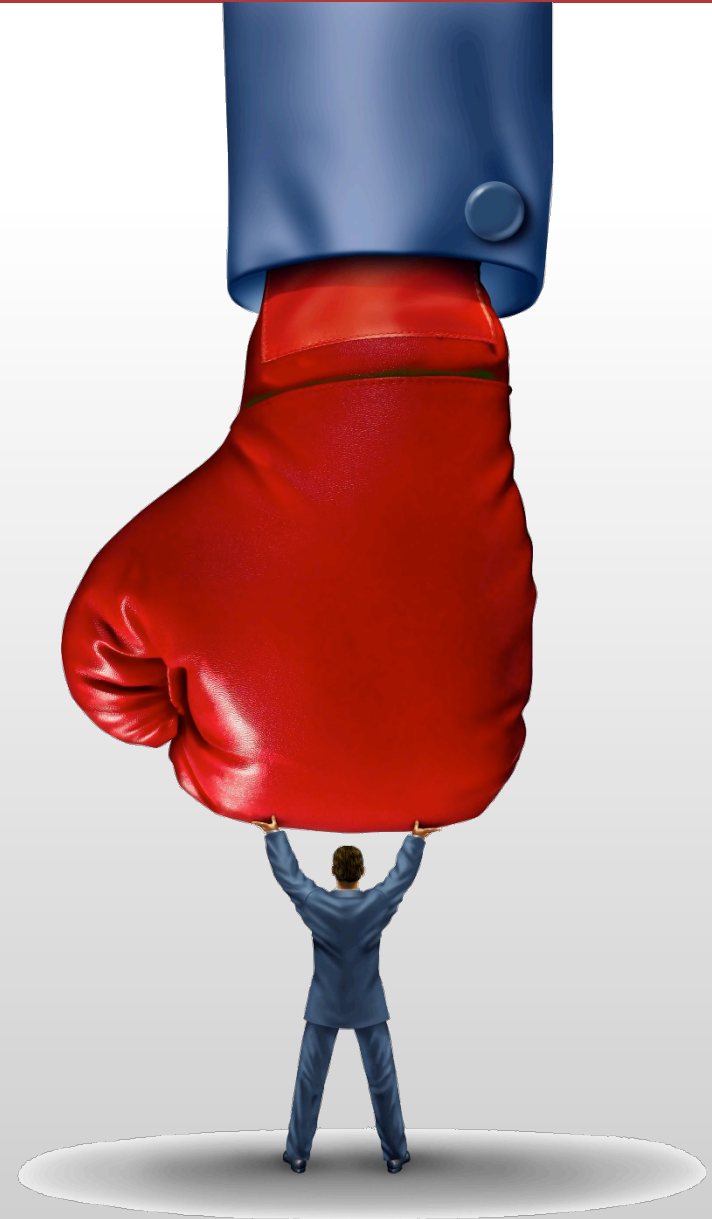
(Assessing the test object against performance requirements)

Load Test

(Assessing the test object under certain & acceptable amount of load)

Stress Test

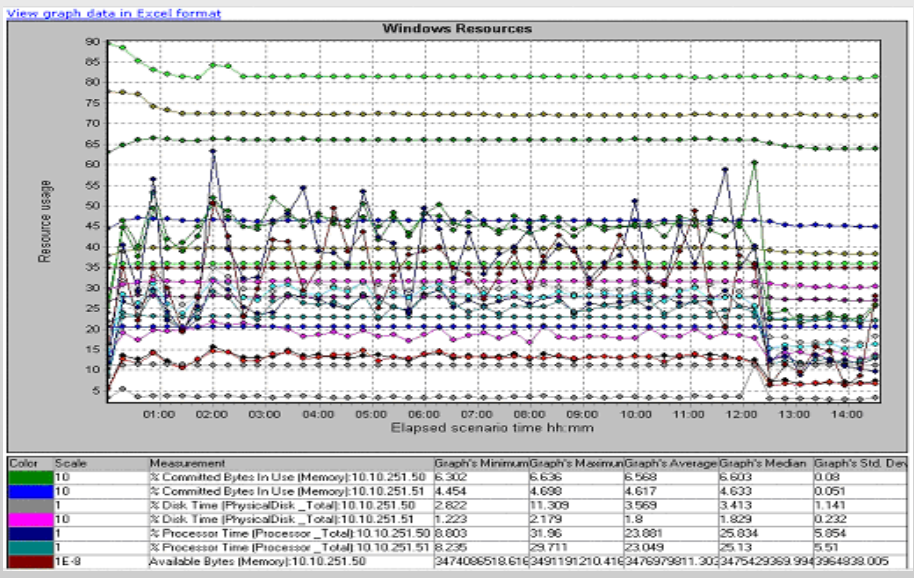
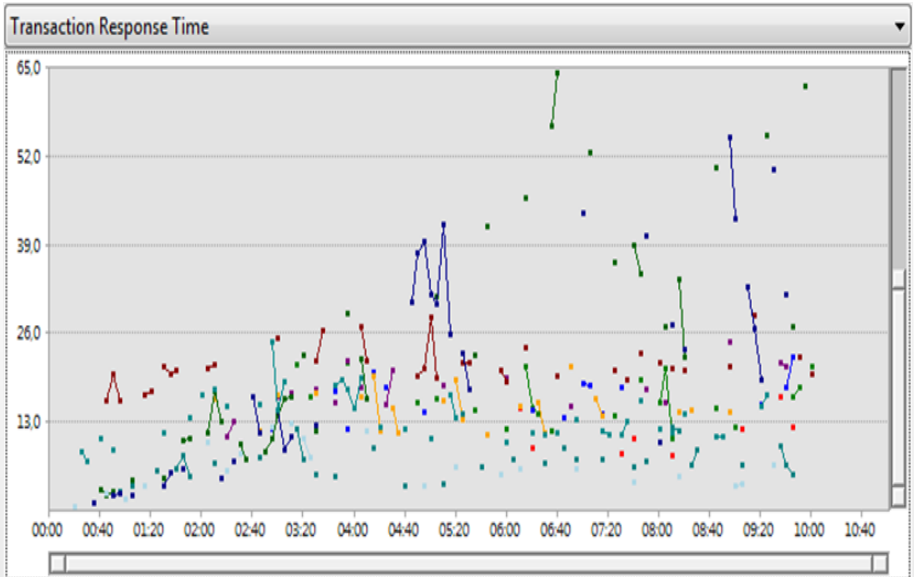
(Assessing the test object beyond its limits of normal operation)



Execute Test Cases



Report Performance Test Results



Verify Performance Improvements

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+ More than 350 corporate clients...

Test Consultancy



- ▶ Testing Center of Excellence
- ▶ Test Automation Services
- ▶ Performance Testing Services
- ▶ Test Maturity Assessments
 - ▶ (TMMi, TPI, customized)

Test Outsourcing



- ▶ Value-added Outsourcing
- ▶ Service Level Agreements
- ▶ ISTQB Certified Test Engineers

Software Testing Courses



- ▶ ISTQB Foundation Level
- ▶ ISTQB Advanced Level
 - ▶ Test Analyst
 - ▶ Technical Test Analyst
 - ▶ Test Manager
- ▶ Test Automation Course
- ▶ Performance Testing Course
- ▶ Mobile Testing Course
- ▶ Usability Testing Course



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**TEST
ISTANBUL**
www.testistanbul.org



Software Testing: Quality Bridge Between Business and IT
Istanbul May 6, 7 - 2010

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ISTANBUL**
www.testistanbul.org



More Usability Testing, Better User Experience
Feriye Palace, Istanbul May 26,27 - 2011

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www.testistanbul.org



**Test Automation
For a Better, Faster Software**
May 24th-25th 2012, Istanbul

**TEST
ISTANBUL**

Future of Testing: New Techniques and Methodologies
23-24 May,2013, Sheraton Maslak İstanbul



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