



Managing Effective Application Performance

WORKSHOP OVERVIEW

In this workshop, students will learn how to manage and improve application performance over releases. Each topic is supported by review questions and exercises based on real-life examples designed to provide you with the knowledge necessary to master the concepts of ongoing performance improvement. The workshop focuses on Performance / Capacity planning, resource utilization, and risk management methodologies.

The goal of the workshop is to give the student an overview of the performance testing process and its management. The workshop will demonstrate common performance testing methodologies and industry accepted best practices to build a performance testing model focused on improvement over time. Upon completion, the student will be able to take the concepts learned and apply them to any application environment

COURSE OBJECTIVES

- Performance testing overview
- Selecting performance test objectives
- Building an accurate system model
- Project / resource planning for performance testing
- Planning test scenarios
- Creating business processes for performance
- Capacity planning
- Best Practices

PREREQUISITES

- Basic concepts of Quality Assurance.

INTENDED AUDIENCE

- Web application programmers
- Database administrators
- Network administrators
- Performance test team leads
- Performance test script developers
- IT managers

DURATION:

1 Day



COURSE OUTLINE

DAY 1

Managing, Planning, and Design of Performance Tests

Course Overview

- Selecting Performance Test Objectives
- Building an accurate system model
- Project / Resource Planning for Load Testing
- Planning Test Scenarios
- Creating Business Processes for Performance
- Capacity planning

Selecting Performance Test Objectives

- Identifying Performance Test types.
- Identify possible goals of Performance Tests
- Applying conclusions of Performance Test to business decision
- Prioritizing Performance Test goals when time is limited

Building an accurate System Profile

- Building an accurate system profile
- Sources of Information

Project / Resource Planning for Load Testing

- HR Requirements
- Hardware Requirements
- Software Requirements
- Data / Application Requirements

Planning Test Scenarios

- Applying the system model
- Matching measure to Performance Testing goals

Creating Business Processes for Performance Testing

- Creating accurate Business Processes

Best Practices

Optional: Capacity Planning

- Improving application performance over releases
- How Performance Testing and Operations can improve each other
- Managing upgrades