

## Performance Management

### Course Summary

#### Description

This class starts with a discussion on the differences between performance testing and functional testing and helps to identify performance-testing needs. The class continues by offering practical advice on how to establish and implement a sound performance testing approach. The class will focus on common performance testing methodologies and industry accepted best practices to help build a performance-testing model focused on 'over-time' improvements.

The class will focus on Performance / Capacity planning, resource utilization, and risk management methodologies. Upon completion, participants will be able to take the concepts learned and apply them to a variety of application environments.

#### Objectives

The objective of this course is to provide an overview of the performance testing process.

#### Topics

- Project Planning
- Project Planning
- Planning Deliverables
- Business Processes
- Capacity Planning

#### Audience

This course is designed for Web Application Programmers, Database Administrators, Network Administrators, Performance Testing Teams (script developers), Performance Testing Team Leads and IT Managers.

#### Prerequisites

Students should have a basic understanding of Quality Assurance principles.

#### Duration

One day

## Performance Management

### Course Outline

- I. Project Planning**
  - A. Performance Test Types
  - B. The Performance Test Process
  
- II. Project Planning**
  - A. Resource Management
  - B. Project Timelines
  
- III. Planning Deliverables**
  - A. Types of Planning Deliverables
  - B. System Profiles
  
- IV. Business Processes**
  - A. Building Business Processes
  - B. Testing with Business Processes
  
- V. Capacity Planning**
  - A. Capacity Planning Types
  - B. Production Monitoring