

<h2 style="text-align: center; color: blue;">Performance Testing Analysis and Planning</h2>		<h3 style="text-align: center; color: blue;">Topical Outline</h3>
<ul style="list-style-type: none"> • Learn Test Performance Testing Concepts • Design Performance Tests • Examine a Case Study – eBusiness Application • Define Tasks, Roles, Skills, Responsibilities, Deliverables 		<p>Introduction and Terminology</p> <ul style="list-style-type: none"> ➤ Understanding Response Time ➤ Understanding Throughput <p>Overview of Hardware Architecture</p> <ul style="list-style-type: none"> ➤ Determining Physical Limitations in Hardware <p>Understanding the Performance Testing Objectives</p> <ul style="list-style-type: none"> ➤ Finding Existing Bottlenecks ➤ Determining Scalability of Systems <p>Defining Metrics</p> <ul style="list-style-type: none"> ➤ What are you Measuring and Why <p>Analyzing the System and Building Operational Profiles</p> <ul style="list-style-type: none"> ➤ Examine the System to Determine Operation Profiles <p>Designing Tests for Performance, Load and Stress</p> <ul style="list-style-type: none"> ➤ Why Performance, Load and Stress Testing are not the same <p>Benchmarking the Application</p> <ul style="list-style-type: none"> ➤ Creating and Executing Scripts <p>Test Tools and the Environment</p> <ul style="list-style-type: none"> ➤ Overview of Tool Types ➤ Test Environment vs. Production Environment <p>Analyzing the Results</p> <ul style="list-style-type: none"> ➤ How to Report the Results
<p>Description</p> <p>Performance Testing requires 90% analysis effort and 10% tools. This one-day tutorial will be a case study of Performance Testing for an eBusiness application. The case study will involve analyzing the hardware platform, understanding the operational profiles and examining the actual test results.</p>	<p>Audience, Prerequisites</p> <p>No prior experience with performance analysis methods is required; a basic understanding of the web and basic algebra are helpful.</p> <p>Course length: 1 day</p> <p>Course format: lecture plus individual and group exercises and discussions.</p>	