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Advanced LoadRunner 9.0

Overview

In this intensive five-day course you will learn advanced LoadRunner and performance testing concepts. TCT's unrivaled experts will teach you the secrets to developing a more efficient and accurate performance testing process. You'll learn undocumented LoadRunner features as well as advanced concepts such as requirements management, protocol analysis, and test integrity measurement.

This course is for the experienced LoadRunner user; it concentrates on process, project management and advanced capabilities of LoadRunner. Determine your skill level with TCT's LoadRunner Skill Inventory Form. Email us at training@tctcomputing.com to request the form.

Course format is 60% lecture and 40% hands-on training.

Course Objectives

At the end of the course, you should be able to:

- Comprehend performance requirements management.
- Use advanced LoadRunner features.
- Understand how to select appropriate monitors.
- Explore ways to improve test process and project planning.
- Determine how to prioritize performance issues.

Duration

Five days

Intended Audience

Middle to senior level performance test engineers and performance test team leads.

Required Materials

Students should bring laptops preinstalled with VuGen, the Analysis Engine, and two result sets.

Course Outline

Performance Test Project Planning and Test Design

- Performance requirement management
- Performance project budgeting and scoping
- Load model and test design
- Identifying protocols
- Protocol analyzers
- Determining test reliability

Script Development

- Performance testing prerequisites
- Using development templates
- Leveraging LoadRunner to increase scripting efficiency
- The impact of the OSI Model on protocol selection (web and web services)
- LoadRunner's undocumented resources
- The LoadRunner transaction model – more the lr_start and lr_end...
- Battling the 'C' daemons
- Recording, proxy recording and protocol trace-up converting

Test Execution

- Determining which monitors to use
- Top ten things that impact test integrity
- Environment challenges – evaluating and reporting test quality
- Using the scientific method to defend your tests when unexpected results occur



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Analysis and Reporting

- Choosing analysis team specialists
- Correlating results
- Classic bottleneck analysis
- Prioritizing performance issues

Customized Performance Testing Solutions

- TCT experts will address questions about your organization's specific testing processes and help you get the most of LoadRunner in your specific environment.