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SYLLABUS OF PERFORMANCE TESTING TRAINING

Module 1: LoadRunner Introduction

- Architecture
- Planning an effective Load Test
- Throughput
- Response Time
- Tuning
- Benchmarking
- Performance Testing - Definition
- Difference b/n performance, Load and stress Testing
- Why Performance Testing?
- When is it required?
- What should be tested?

Load Runner Installation

Module 2: LoadRunner Recording

- Overview on protocols Structured the
- script based on planning
- VuGen
- Recording options
- Guidelines for recording levels

Module 3: Enhancing Scripts

- Adding transactions, comments,rendezvous
- Handle success, error and exception

Module 4: Parameterization Playback

- Parameterization of scripts - File, Table and XML types
- Run-time configuration

Module 5: Actions and Transactions

- Create multiple actions in a Vuser script
- Add transaction to measure response times

Module 6: Checkpoints

- Identify visual cues to check for during load testing

- Add text Checkpoints during and after recording

Module 7: LoadRunner Correlation

- Distinguish b/n available correlation methods
- Understanding correlation function
- Use the scan for Correlation tool

Module 8: Introduction to Scenarios

- Controller
- Explain elements that make a LoadRunner scenario
- Identify different types of scenarios
- Methods to choose the scenario

Module 9: Using Run-Time Setting

- Script and scenario run - Time settings and configuration of Run time settings in controller

Module 10: Prepare Scenarios

- Prepare for a scenario run
- Identify techniques to efficiently run a scenario
- Define SLA

Module 11: Scheduling Scenarios

- Scheduling group and by scenario
- Configure scenario ramp up and down

Module 12: LoadGenerators

- LoadGenerators
- LoadRunner Architecture
- Defining Generators - Criteria, and Guidelines
- Add Generator(s) to the scenario
- Configure Generator Settings

Module 13: PerformanceMonitors

- PerformanceMonitors
- Value of Performance Monitors
- Performance Overlays to track down Bottle necks