

## Introduction to Performance – Workflow

- Definition for Performance testing
- Need for Performance testing
- Performance testing Monitors
- Types of Performance Testing
- When to do Performance Testing

## Performance Test Planning

- Load Testing Framework /Load Testing Process
- Performance Testing Methodology and Test Strategy
- Performance Test Start/Stop Criteria
- Analysis and Report Generation
- Pass / Fail / Exit Criteria
- Various Load / Performance Tools

## Evaluation and Selection Sniffing Tools

Fiddler

## Introduction to Load Runner

- Load Runner Terminology
- Load Runner Vuser Technology
- Protocol Advisor
- Tool GUI introduction

## Protocols

- Web (HTTP/HTML)
- Web services - Introduction

## Components of Load Runner

- VUGen
- Controller
- Agent Process
- Load Generator
- Analysis

## Different Modes of Recording

- url mode
- html mode

## Runtime Settings

- Runlogic -iterations
- Log, Multi-threading
- Error handling

## Scripting Enhancements

- Comments, Transaction points, Checkpoints, Parameterization, Correlation, Manual, Automation

## Logs

- Replay, Recording, Generation, Event

## Executing Scenario using Controller

- Designing Scenarios
- Goal-Oriented Scenario
- Manual Scenario

- Scenario Schedule
- Schedule By Scenario
- Schedule By Group
- Basic Schedule
- Real world schedule
- Start Vusers(Ramp Up)
- Duration(Steady state)
- Stop Vusers(Ramp down)
- Execution of different types of test
- Design Calculations
- Vusers Status in the execution
- Making reports(HTML/Word)
- Daily Status Reports

## **Resume Preparation & Placement Assistance**

### **Setting up the Monitors**

- OS level, Windows, UNIX, Server level, IS, WEB LOGIC, ORACLE, SQL, Performance Metrics, Counters, Monitoring tools, Perfmon, Controller

### **Analyzing Results**

- Summary Report, Calculation of 90th percentile, Running Vusers Graph, Hits per Second, Throughput, Calculation of throughput, Transaction Summary, Root and casual analysis, Graph Settings, OS level(CPU & Memory utilization)

### **Real Time Exposure**

- POC – Proof Of Concept
- Day to day activities
- End to end process of load testing
- Identifying bottle necks