



## LoadRunner

### LoadRunner Training Syllabus

#### LoadRunner Installation

- LoadRunner architecture
- Where to install LoadRunner components
- Identify hardware and software needed for installation
- Installing Loadrunner samples.

#### VUGEN

#### Introduction to VUSER Concept

- Definition of Vuser
- Why VUGEN is Used
- Features of VUGEN
- VUSER TYPES

#### Streamlining Recording

- Settings to be done before recording
- Modes of recording
- Choosing the right protocol
- Types of protocol loadrunner supports
- Single and Multiple protocols
- When and how to use more than one Action
- Deleting Action

#### First touch to VUGEN

- Starting VUGEN
- Understanding VUGEN Environment Options
- Choosing the right protocol

#### Recording Script using VUGEN



- VUSER Script sections (Init, Action and end)
- Creating New Virtual VUSER script
- Adding and removing protocols
- Choosing New Virtual user category
- Begin Recording on your application
- Ending and Saving a recording session
- Running the Created Script

## Introduction to Output window in VUGEN

- Replay Log
- Recording Log
- Generation Log
- Correlation Results

## Understanding the VUSER script

- Viewing and modifying VUSER scripts
- Understanding the functions generated in the code
- Getting Help on functions
- Workflow Wizard
- Walkthrough on few Loadrunner functions
- Recap of Steps for creating Vuser Scripts

## Actions in depth

- When and how to use more than one Action
- Deleting Actions
- Rename actions
- Import Action into Vuser

## Introduction to VUGEN parameters

- Definition of parameter
- Why parameterization is required
- Parameters Limitations
- Creating Parameters
- Types of parameters
- Using Existing Parameters



- Using Parameter List
- Parameterization options

## File and table type parameters

- Creating data files
- Properties of file type parameters
- properties of table type parameters

## Setting Parameters properties

- Introduction to setting parameter properties
- Setting properties for internal data parameter types
- Setting properties for user defined functions
- Choosing parameter formats

## Data Assignment methods

- Sequential
- Random
- Unique

## Data Update Modes

- Each Occurrence
- Each Iteration
- Once

## Configuring Run time settings

- About Run time settings
- Configuring run time settings
- Pacing run time settings
- Configuring Log run time settings
- Configuring Think time settings

## Correlations

- Introduction to correlations
- Auto Correlation
- Wdiff Utility



- Manual Correlation

## Introduction to Transactions

- What are transactions
- Why we need transactions
- How to insert transactions in the script

## Introduction to content check

- Why we need Content checks
- How to use the inbuilt content checks
- How to build your own content checks

## Controller:

### Introduction to controller

- Opening controller
- Why we need controller
- Significance of controller
- Features on controller

### Loadrunner Testing Process

- Planning the test
- Creating Vuser Script
- Creating the scenario
- Running the scenario
- Monitoring the scenario
- Analyzing the scenario

### Designing a scenario

- Creating a scenario
- Run scenario with sample Vuser load

### Scenario types

- Manual Scenario
- Goal Oriented scenario



## Introduction to Load generators

- What is load generator
- Why we need load generators

## Kinds of Scheduling Scenarios

- Schedule by scenario
- Schedule by group

## Scheduling scenarios

- About Scheduling scenarios
- Delaying the start of scenarios
- Scheduling a scenario
- Scheduling Vuser groups
- Adding Vuser to Scheduled scenarios

## Creating and running a manual scenario

- Creating Vuser groups
- Configuring Vusers in Vuser group.
- Configuring Vuser run time settings
- Configuring scripts
- Setting time out intervals
- Configuring Scenario run time settings
- Setting the run time file location
- Specifying results location
- Collating results

## Running scenarios and controlling Vusers

- Running entire scenario
- Controlling Vuser groups
- Controlling individual Vusers
- Manually adding Vuser to running scenario
- Manually adding Vuser to Rendezvous

## Viewing Vusers during executions

- About viewing vusers during executions



- Monitoring Vuser status
- Viewing the output window
- Viewing Vuser script log
- Logging execution notes

## Creating Goal Oriented scenario

- About Planning goal oriented scenario
- Understanding goal oriented scenario design tab
- Defining scenario goals
- Assigning properties to scripts
- Configuring scripts

## Monitoring and Analysis

### Online Monitoring

- About Online Monitoring
- Setting up the Monitoring environment
- Monitor types
- Choosing Monitors and measurements in the controller
- Starting the monitors in the controller
- Opening online monitor graphs in the controller
- Setting monitor options