

## LR CONTENTS.txt

Load Runner Training  
LoadRunner Course Content

Introduction to performance - workflow  
Definition for Performance testing  
Types of Performance Testing  
Need for Performance testing  
Requirements collection  
Design  
Build  
Execute  
Analysis and Tuning  
Performance Test Planning  
Test Process / Methodology and Test Strategy

### Chapter 2: Introduction to LoadRunner

Protocols:  
Web (HTTP/HTML)  
Web services  
Types of Performance tests:  
Smoke Test  
Load Test  
Stress Test  
Endurance/soak Test  
Spike Test  
Capacity Test  
Failover Test

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Manual Script writing  
Introduction to Load Runner  
Load Runner Terminology  
Load Runner Vuser Technology

Components of Load Runner  
Vugen - Scripting  
Controller - Execution and Monitoring  
Agent Process  
Load Generator  
Analysis - Analysis and Reporting

### Chapter 3: Creating Scripts Using Load Runner

URL mode  
HTML mode  
LR-Functions  
Web-Functions  
Recording Options  
Runtime Settings  
Runlogic -iterations  
Log

Error handling  
Browser Emulation  
Network  
Scripting Enhancements  
Comments  
Transaction points  
Check points

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### Text Check Points

#### Parameterization

What is parameterization?

How to create parameter?

Types of parameterization

How to use parameterization in execution

#### Correlation

What is Correlation?

How to correlate values?

Which values need to be correlated?

Types of correlation

Step by step Manual correlation

Automation correlation

Arguments in the correlation function

How to pick random/sequential values from correlation

Creating correlation rules

All arguments in web\_reg\_save\_param function

How to handle dynamic boundaries

Error handling

What is error handling

Why we need to do error handling

Error handling using Save Count and web\_get\_int\_property

Error handling frame work

Logs

Replay

Recording

Generation

Event

Debugging the scripts

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Regenerating script  
Scripting techniques

### Chapter 4: 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  
Setting up the Monitors  
OS level  
Windows  
  
Server level  
IIS  
SQL  
Performance Metrics  
Counters  
Monitoring tools

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Perfmon  
Controller

### Chapter 5: Analyzing Results

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

Status Codes and port numbers  
Diff B/W the functions and their uses