

## LoadRunner Enterprise (LRE) Essentials (LRE)

ID LRE Preis 4.000,- € (exkl. MwSt.) Dauer 5 Tage

### Wichtige Hinweise für die Buchung von Open-Text-Trainings

Bitte beachten Sie, dass für die Teilnahme an einem Open-Text-Training Vorkasse zu leisten ist. Eine Teilnahme an einem Training ist für 12 Monate nach Kursbuchung möglich. Stornierungen sind ausgeschlossen. Weitere Informationen entnehmen Sie bitte [unseren Allgemeinen Geschäftsbedingungen](#).

### Kursüberblick

This five-day course introduces you to the OpenText™ LoadRunner Enterprise (LRE) application. The course covers topics about the Virtual User Generator (VuGen), LoadRunner Enterprise, and Analysis tools. This course is designed to give you a foundation for basic load testing tasks. You create performance test assets, design load tests, configure monitoring profiles, define Service Level Agreement (SLA), and run load tests through LRE. The hands-on labs are designed to provide you with the knowledge necessary to create scripts in VuGen, execute scenarios in LRE, and view the results in the Analysis tool.

### Highlights:

- Discuss LRE architecture and components
- Overview of LRE Admin
- Create assets in LRE
- Plan and design an effective performance test
- Configure monitoring profiles and Network Virtualization, define SLA
- Execute and analyze performance test results

### Zielgruppe

Quality assurance and performance engineers, users of LoadRunner Enterprise who need to load test their web applications, and executives involved in any aspect of the load testing process

### Voraussetzungen

To be successful in this course, you should have the following prerequisites or knowledge:

- Have a working knowledge of Windows, websites, and browsers
- A fundamental understanding of C programming is helpful but not mandatory

### Kursziele

On completion of this course, participants should be able to:

- Explain the LoadRunner Enterprise architecture
- Perform the following LoadRunner Enterprise admin activities:
  - Manage user accounts
  - Assign user privileges
  - Manage multiple projects
  - Oversee server resources
  - Manage test executions
  - Monitor and analyze error information using various reports
  - Plan effective load tests
  - Create, configure, and execute load tests
  - Use analysis graphs to determine whether the test achieved the set goals
  - Replay and debug the script in VuGen
  - Work with the VuGen Editor
  - Record scripts for the web environment using the Virtual User Generator (VuGen)

### Kursinhalt

#### LoadRunner Enterprise (LRE) Essentials – Three Days

##### Module 1: Course Overview

- Identify the contents and objectives of the course
- Define the class schedule and class logistics
- Identify the related courses
- Discuss the lab environment details

##### Module 2: Introduction to LoadRunner Enterprise (LRE)

- Describe the basic LRE architecture and functionality
- Provide an overview of LR Enterprise
- Explain the roles and tasks of the Performance testing team members
- Identify the steps of the load testing process

## Module 3: What's New in LoadRunner Enterprise (LRE)

- Discuss LoadRunner portfolio
- Describe the new features of LoadRunner Enterprise
- Discuss data and analytics
- Discuss cloud and SaaS
- Discuss security and infrastructure
- Explain integrations and ecosystem
- Discuss modernization
- Explain VuGen, Protocols
- Discuss LoadRunner Developer

## Module 4: Using the LoadRunner Enterprise Administration

- Explain the purpose and advantages of LRE Administration
- Explore different features present under the Administration
- Describe the privilege levels and access rights for a project

## Module 5: Planning an Effective Load Test

- Analyze the Application Under Test (AUT)
- Gather preliminary information before load testing your system
- Organize system information effectively
- Use the gathered information to plan load tests

## Module 6: Working with Vuser Scripts, Managing Timeslots, and Creating Monitor Profiles

- Prepare and modify Vuser scripts
- Connect VuGen to an LRE session
- Upload Vuser scripts to LRE
- Define timeslots
- Reserve and manage timeslots successfully
- Create monitors

## Module 7: Working with Load Tests and Associating Monitor Profile

- Create a test set
- Configure scheduling options for the test
- Set load test goals using SLAs
- Define workload settings
- Schedule performance test
- Associate Monitors profile to load test

## Module 8: Updating Runtime Settings and Defining SLA

- Configure load test settings
- Configuring the Monitor settings
- Create monitor profiles
- Define Service Level Agreements (SLAs)

## Module 9: Running Load Tests

- Configure the project settings and LRE Controller options
- Explain the performance test run flow
- Monitor the flow of the performance test run
- Monitor the performance test run
- Analyze the performance test results
- Explain the best practice to be followed in the load test run process

## Module 10: Accessing Test Runs and LRE Analysis with Performance Trends

- Collating and analyzing the load test data
- Generate reports and graphs for a test set
- Download the load test results files
- Managing analysis template and performance trends

## Virtual User Generator (VuGen) Essentials – Two Days

### Module 1: Course Overview

- Identify the contents and objectives of the course
- Define the class schedule and class logistics
- Identify the related courses
- Discuss the lab environment details

### Module 2: Introduction to Virtual User Generator (VuGen)

- Define Virtual User (Vuser) and VuGen
- Explore the new look and feel of the VuGen UI
- Explain how to use the step navigator and solution explorer
- Discuss the script workflow
- Create scripts using VuGen
- Record business processes with VuGen

### Module 3: What's New in VuGen 2023 R1

- Discuss the improvements in VuGen
- Describe the protocol enhancements

### Module 4: Recording Scripts for Web Applications

- Create VuGen scripts by recording user steps

- Save scripts
- Create a Vuser script template
- Create business process reports

## Module 5: Replaying and Debugging the Vuser Scripts

- Identify and configure the appropriate web run-time settings for replaying scripts
- Replay and debug the script in VuGen
- Recognize the debugging tools available in VuGen

## Module 6: Auto Correlation After Recording

- Describe correlation
- Work with Design Studio
- Correlate dynamic values after recording a script

## Module 7: Using Manual Correlation

- Explain the manual correlation process
- Configure the parameters for correlation
- Correlate a script manually by:
  - Using the WinMerge utility
  - Adding the web\_reg\_save\_param\_ex correlation function
  - Parameterizing the dynamic value in the script

## Module 8: Inserting Transactions into the Script

- Explain the use of transactions in a script
- Add a transaction into a script during the recording
- Insert a transaction into a script after recording

## Module 9: Parameterizing a Script

- Define parameterization
- Determine when to parameterize a script
- Create and modify parameter lists
- Create new parameters
- Work with parameter properties

## Module 10: Verifying the Vuser Scripts

- Identify the need to use verification in scripts
- Define verification for scripts
- Add text checkpoints during and after the recording of scripts

## Module 11: Creating Actions for a Web Script

- Define an action for a web script
- Record a script with multiple actions

- Create action blocks

## Module 12: Using the VuGen Editor

- Work with the VuGen Editor
- Send customized output messages to the Replay Log
- Identify basic C code, including statements, variables, and functions
- Apply basic debugging techniques in VuGen

## Module 13: Using the Advanced Scripting Techniques for Vuser Scripts

- Explain the general LR functions
- Explain the protocol-specific functions

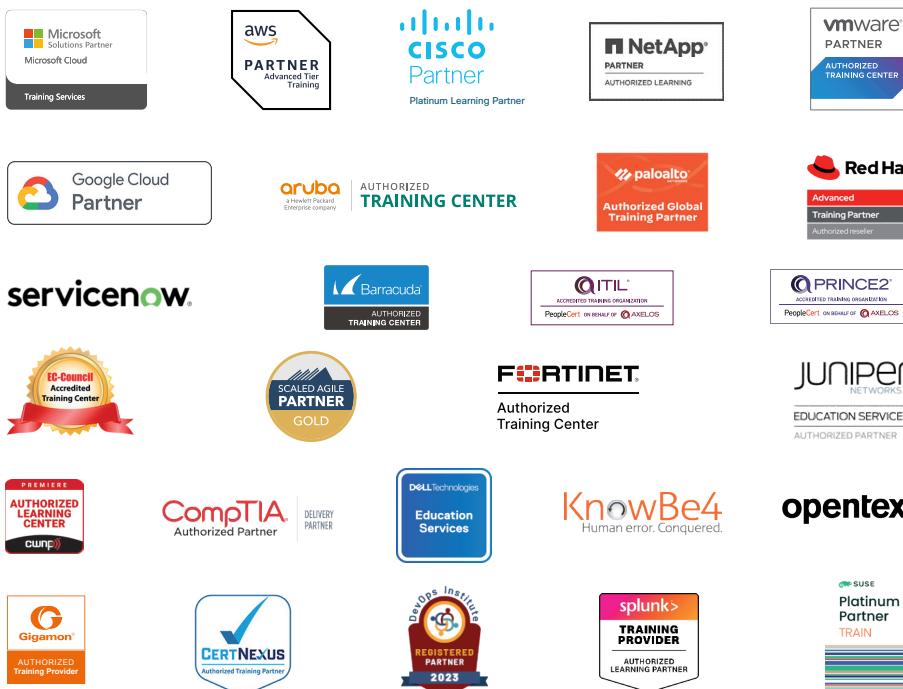
## Module 14: Using Correlation Rules to Auto Correlate during Code Generation

- Create correlation rules to auto correlate
- Regenerate and record scripts
- Import and export correlation rules

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## Trainingsmethoden

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