LoadRunner Enterprise (LRE) Advanced (LREA)

ID LREA   **Price** 1,600.— €(excl. tax)   **Duration** 2 days

Important notes for the booking of Open Text trainings

Please note that prepayment is required for participation in an Open Text training course. Participation in a training course is possible for 12 months after booking the course. Cancellations are excluded. For further information, please refer to **our** General Terms and Conditions.

Course Overview

This two-day course introduces students to advanced topics about OpenText LoadRunner Enterprise (LRE)—cloud load generators, integration with Continuous Integration-Continuous Development (CI-CD), workload modeling, advanced analysis and reporting, network virtualization, Grafana, and InfluxDB.

All topics are supported by practical labs, designed to provide you with the hands-on experience with LRE.

Highlights:

- Exploring LoadRunner architecture and components
- Examining LRE Application and LRE Administrator
- Exploring load generators on the cloud
- Creating workload model tests
- Deep dive performance analysis
- Running CI/CD performance test
- Using network virtualization to enhance performance testing
- Extending monitoring via Influx and Grafana

Who should attend

The class is appropriate for experienced users and others responsible for or involved in performance testing with LRE. The audience includes, but is not limited to:

- Analysts, Quality Assurance and Performance Engineers.
- LRE users who need to load test their Web applications.
- Executives involved in any aspect of the load testing process.

Prerequisites

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

- Have working knowledge of Windows, websites, and Web browsers.
- Completed this course – LoadRunner Enterprise (LRE) Essentials

Course Objectives

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

- Describe the LRE architecture.
- Explain cloud integration.
- Manage test executions.
- Plan the test workload effectively.
- Describe the user site's functionality.
- Create, configure, and execute load tests
- Interpret the Network Virtualization and NVInsight report
- Use analysis graphs to determine whether the test achieved its set goals.
- Use InfluxDB and Grafana integration.

Course Content

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: LoadRunner Enterprise Refreshment

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

Module 3: Cloud Integration

- List the different the cloud platforms.
- Identify components of the LRE Cloud Integration architecture.
- Describe the benefits and cost impacts when integrating LRE with cloud services.
- Identify each type of cloud Load Generator (LG).
- Walk through the configuration process of LRE Host in the cloud.
- Review an example of LG on AWS.

Module 4: Workload Models

- Review performance test design.
- Define Workload design.
- Discuss user profiles and behavior.
- Distribute workloads.
- Define workload patterns.

Module 5: CI/CD Integration

- Explain how LRE uses plug-ins to integrate with CI/CD.
- List the supported tools and how they integrate with LRE.
- Describe each type of CI/CD tool.
- Explain the benefit of integrating to LRE CI/CD.

Module 6: Advanced Analysis and Reporting

- List the different the cloud platforms.
- Identify components of the LRE Cloud Integration architecture.
- Describe the benefits and cost impacts when integrating LRE with cloud services.
- Identify each type of cloud Load Generator (LG).
- Walk through the configuration process of LRE Host in the cloud.
- Review an example of LG on AWS.

Module 7: Working with Network Virtualization

- Describe the NV Insights Report, its purpose, and its benefits for organizations.
- Follow a step-by-step process to generate the report.
- Examine the report's structure.
- Interpret transaction data and identify patterns and anomalies.
- Identify areas for performance enhancement based on the report.
- Discuss advanced features such as predictive analysis
- Describe strategies to implement insights into actionable changes.
- Explain the differences between NV Insights and traditional load testing methods.

Module 8: Integration with Grafana and InfluxDB

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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