

# LoadRunner Enterprise (LRE) Advanced (LREA)

ID LREA Price on request Duration 2 days

## 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.
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- 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.

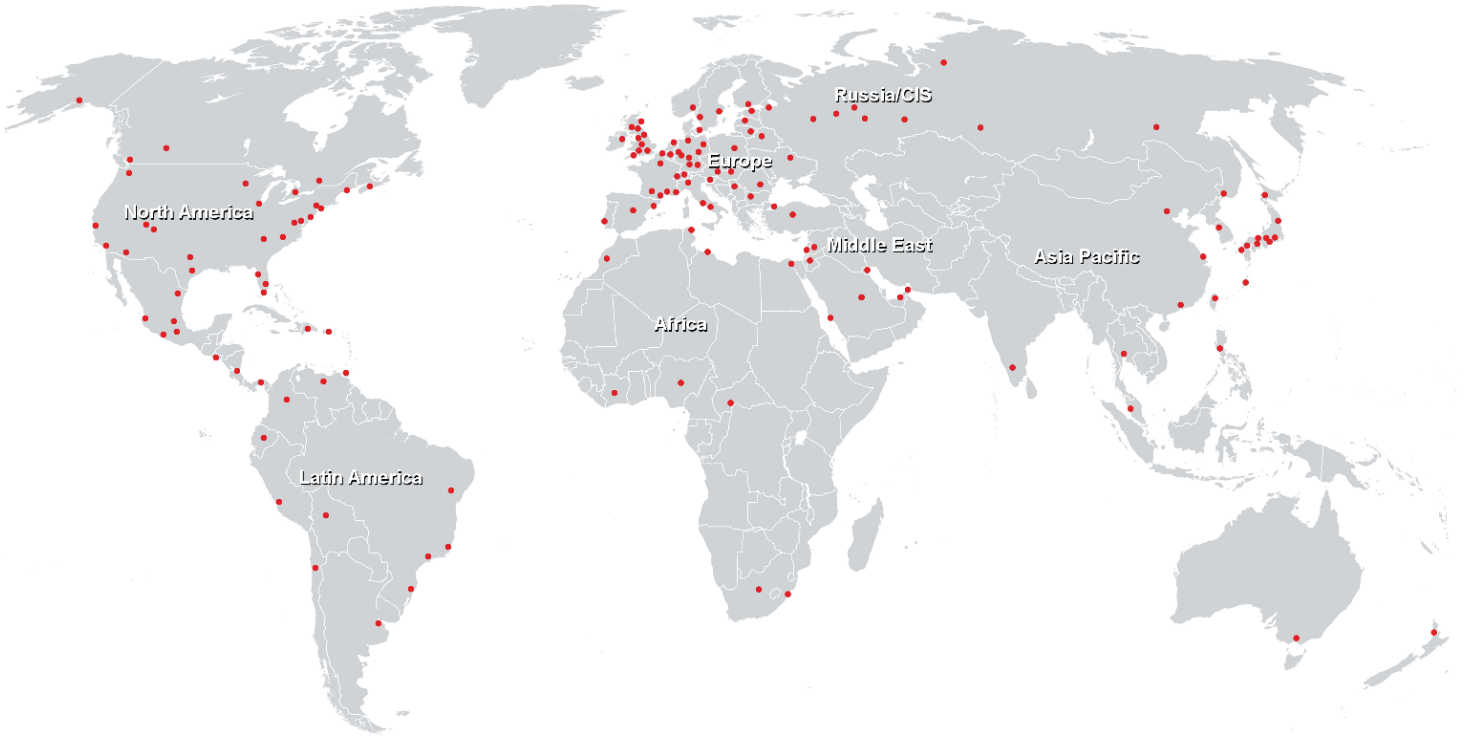
#### **Module 7: Working with Network Virtualization**

- 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**

- List the different the cloud platforms.
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