

Virtual User Generator (VuGen) Essentials (VUGEN)

ID VUGEN 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 you to the OpenText™ Virtual User Generator (VuGen). VuGen is a primary tool for creating testing scripts that emulate the behavior of real users accessing applications on your system. This course is designed to provide a foundation in VuGen features to help you create effective performance test scripts.

You will learn how to create scripts in VuGen and enhance the scripts for sample web applications using the Web Http\html protocol.

The course consists of focused, task-oriented lectures, text, and a series of detailed hands-on labs to teach the course material to the student.

Please note that this course will be conducted using version 24.1.

Highlights

- Recording scripts on a web application using the VuGen
- Replaying and debugging a script in VuGen
- Measuring steps and business processes response time using transactions
- Parameterizing scripts to vary user input data
- Adding text checkpoints during and after the recording of scripts
- Defining an action for a web script
- Working with VuGen Editor

Who should attend

Performance test engineers and users of LoadRunner family of products, who need to develop performance test scripts using LoadRunner VuGen.

Prerequisites

- Working knowledge of Windows, websites, and browsers.
- Fundamental understanding of C programming is helpful, but not mandatory.

Course Objectives

- Record scripts for the web application using the VuGen
- Enhance scripts by:
 - Adding Transaction (measure the response time of the business process)
 - Parameterization (test with multiple data)
 - Adding Checkpoints (validate the correct page navigation)
 - Correlation (handle the dynamic values coming from the server)
- Replay and debug scripts in VuGen
- Define an action for a web script
- Record a script with multiple actions
- Work with VuGen Editor
- Describe general LR functions and protocol-specific functions

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: 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

- Discuss the improvements in VuGen
- Describe the protocol enhancements
- Explore integrations, ecosystem enhancements, and modernization efforts

Module 4: Recording Scripts for Web Applications

- Create Vuser scripts by recording user steps
- Save scripts
- Connect VuGen with LoadRunner Enterprise
- Create business process reports

Module 5: Replaying and Debugging a Vuser Script

- 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: Inserting Transactions into a 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 7: Verifying a Vuser Script

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

Module 8: Parameterizing a Script

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

Module 9: Auto Correlation After Recording

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

Module 10: Using Manual Correlation

- Explain the manual correlation process
- Configure the parameters for correlation

- Correlate a script manually by:
- Adding the `web_reg_save_param_ex` correlation function
- Parameterizing the dynamic value in the script

Module 11: Using the Advanced Scripting Techniques for Vuser Scripts

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

Module 12: Using the VuGen Editor

- Work with 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: Creating Actions for a Web Script

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

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

About Fast Lane



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