TruClient Scripting for Performance Engineers (4-5714)

ID 4-5714 **Price** on request **Duration** 1 days

Who should attend

Performance engineers, Performance Analyst, Project Manager, Quality assurance team, and Developers

Prerequisites

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

- Basic knowledge of features and functionalities of OpenText VuGen

Course Objectives

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

- Identify the key features and functionalities of VuGen.
- Classify the different types of VuGen protocols and their use cases.
- Demonstrate an understanding of TruClient protocols and their applications.
- Compare and contrast the TruClient protocol with the Web HTTP/HTML protocol in VuGen.
- Navigate the TruClient user interface and summarize its key features and benefits.
- Configure and apply TruClient runtime settings.
- Explain the structure and workflow of the TruClient – Web protocol.
- Record, enhance, debug, and replay scripts using the TruClient – Web protocol.
- Define and utilize TruClient functions, function libraries, and JavaScript integration within TruClient scripts.
- Convert a TruClient script into a Web HTTP script and validate its functionality.
- Describe the TruClient Native Mobile protocol, including its unique features and advantages.
- Record, enhance, debug, and replay scripts using the TruClient – Native Mobile protocol, supported by a video demonstration.

Course Content

Module 1: Course overview

- Identify the contents and objectives of the course.
- Define OpenText Virtual User Generator (VuGen).
- Explain VuGen's TruClient protocol and its features.

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

- Describe the purpose and functionality of VuGen.
- Identify the appropriate LoadRunner protocols for performance testing.
- Access the VuGen environment to create, edit, and manage scripts.
- Navigate the VuGen user interface to efficiently manage Vuser scripts.
- Use the VuGen workflow to develop scripts from creation to review.
- Prepare scripts for performance testing by validating and enhancing them.

Module 3: Scripting with TruClient Web protocol

- Explain the VuGen TruClient protocol.
- Identify the key features and benefits of the TruClient protocol for performance testing.
- Navigate the TruClient user interface to create and manage scripts effectively.
- Configure the TruClient general settings to customize browser behavior during script development.
- Explain the TruClient - Web protocol.
- Record user actions in the TruClient - Web user interface.
- Describe the structure and essential components of TruClient scripts.
- Edit script steps using the Step Editor to refine user actions and object identification.
- Replay a TruClient script to synchronize script steps and identify errors.
- Debug a TruClient script by identifying problematic steps during execution.
- Enhance a TruClient script to better emulate the production environment.

Module 4: Advanced scripting with TruClient Web protocol

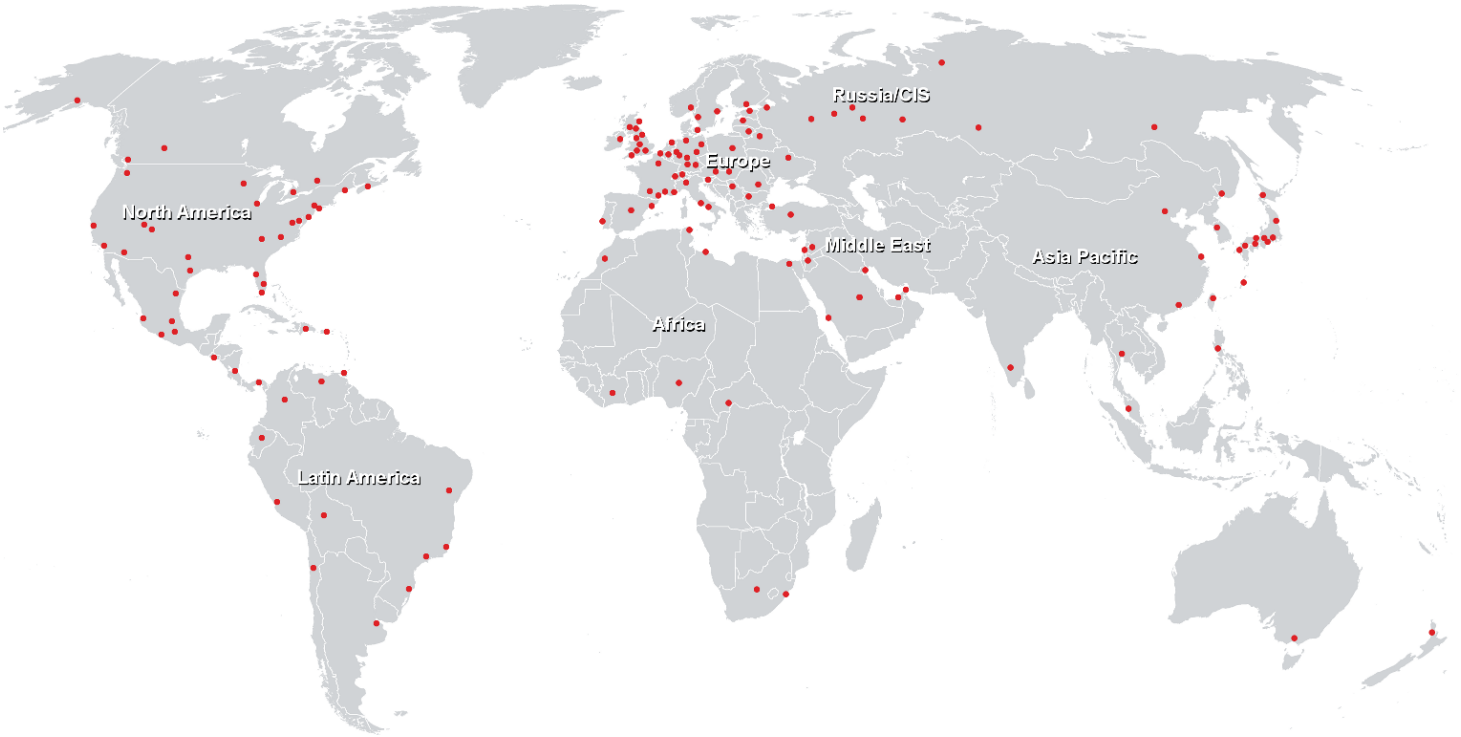
- Explain TruClient functions and Function Libraries.
- Describe the integration of JavaScript into TruClient scripts.

- Explain load testing with TruClient scripts in LoadRunner.
- Convert a TruClient script to a Web HTTP script.

Module 5: Scripting with TruClient - Native Mobile protocol

- Explain the Native Mobile application.
- Identify the features and capabilities of the TruClient—Native Mobile protocol for recording and playing back mobile applications.
- Navigate through the OpenTextTM Functional Testing Lab for Mobile and Web.
- Explain the recording procedure of VuGen TruClient - Native Mobile protocol.
- Enhance recorded native mobile scripts.
- Execute recorded TruClient scripts on mobile devices after completing the recording and enhancement process.
- Configure runtime settings.
- Monitor device performance metrics during load testing of TruClient - Native Mobile scripts for performance analysis.

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