

Mastering HP LoadRunner® for Performance Testing

This hands-on tutorial provides students with the knowledge and skills to use the latest testing tools provided by HP to validate decisions and improve software performance. Creating and managing lab environments will be discussed within the context of test planning and execution. By the end of the course, students are equipped to begin planning the implementation of LoadRunner® and Performance Center for improving testing practices within their organizations.

- Understand performance implications of technologies and protocols in modern data centers
- Select scenarios to measure performance and capacity risks organizations face today
- Design emulation scripts, scenarios, and reports to expose various risks
- Customize a test plan based on budget and role of disciplines involved in performance testing
- Setup controllers, load generators, monitoring, and virtual table servers
- Generate and edit TruClient and VuGen scripts to emulate internet browsers and use test data
- Design coding practices to make scripts re-usable and easy to change
- Apply naming conventions and techniques to manage test data and configure reports
- Practice presentation of results and filing of performance defects to ensure follow-on action

Practical Experience with LoadRunner® Testing

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practices within their organizations.

Hands-on Experience with LoadRunner® Testing Tools

This course provides hands-on experience with LoadRunner® testing functions and new features, including: TruClient, Virtual Table Service, using add-ins to calculate Base64 and signing for OAuth access to APIs.

Who Should Attend

This course is intended for experienced software performance engineers who have actively participate in test planning, test case development, test execution, test automation, and managing test environments.

 *Students are expected to bring and use their own laptops. With prior notice, remote VMware instances may be available if adequate network facilities are available on site.*

Course Outline:

LoadRunner® Setup

- Product installation and sample project setup
- Documents and communities offering help and information to LoadRunner users
- Sample reports and scenarios to address typical risks
- The roles and responsibilities of affiliated professionals and the testing workflow
- Options for monitoring

Emulation Scripting Using VuGen

- Application recording and analyzing generated logs and scripts
- Defensive coding for ease of maintenance and to avoid mistakes
- Data correlation, parametrization, and variation of data
- Using external dll for base64 encoding and signing of web services APIs

Web Ajax Scripting Using Firefox within VuGen

- Generating TruClient scripts during exploratory analysis of web applications
- Specify variation in think times and other data values
- Editing JavaScript for selecting drop-downs and user data points

Run Results and Analysis

- Best practices for presenting results and defects that support decision making
- Configuring LoadRunner Analysis reports
- Extending analysis using Excel and other tools

If Time Allows for Advanced Students

- Coordinating simultaneous execution using Rendezvous points
- Automatic formatting using Data Format Exception

Class Schedule:

Sign-In/Registration 7:30 - 8:30 a.m.

Morning Session 8:30 a.m. - 12:00 p.m.

Lunch 12:00 - 1:00 p.m.

Afternoon Session 1:00 - 5:00 p.m.

Times represent the typical daily schedule. Please confirm your schedule at registration.

Price:

\$1545

Course Fee Includes:

- Tuition
 - Course notebook
 - Continental breakfasts and refreshment breaks
 - Lunches
 - Letter of completion
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