Scripting with VuGen for BAC 7.5
Instructor-Led Training

INTENDED AUDIENCE

New users of Virtual User Generator 9.1 who will create and manage VuGen scripts for application monitoring in either Business Availability Center or SiteScope.

OVERVIEW

The Virtual User Generator (VuGen) is a scripting tool used to record user actions on an application to be monitored. The script is then played-back, reporting its results to either Business Availability Center or SiteScope. This course focuses on planning, creating and enhancing scripts using VuGen for monitoring in the Web environment. Extensive hands-on labs equip students with the skills necessary to create effective scripts for monitoring in Web environments.

DURATION: 2 DAYS

COURSE OBJECTIVES

At the end of the course, you will be able to:
- Verify functionality of Web pages
- Parameterize scripts to handle user input data
- Correlate scripts to process server-returned data
- Customize scripts by adding VuGen functions
- Create web scripts using VuGen
- Read VuGen web code
- Measure specific business processes

PREREQUISITES

- Windows interface and environment
- Web client/server computing paradigm
- Network, system and application monitoring principles and practices
- Fundamental understanding of C programming is helpful, but not required

RECOMMENDED FOLLOW-UP COURSES

- Business Availability Center 7.5 Essentials
- SiteScope 9.5 Essentials

Day 1	**1. Course Introduction** • Participant introductions • Course objectives • Course outline • Describe the purpose of the VuGen tool. • Identify the main components of the VuGen interface. • Name two ways VuGen scripts can be used.
	2. Recording for the Web • Create a VuGen script by recording user steps with VuGen in the web environment. • Describe the basics of HTML and URL recording levels. • Implement Scripting for BAC Best Practices. • Create a Business Process Report.
	3. Replay • Identify and configure the appropriate web run-time settings for replay. • Replay the script in VuGen to verify script functionality. • Recognize the debugging tools available in VuGen.
	4. Transactions • Explain the function of a transaction in a script. • Insert a transaction in a script during and after recording. • Describe the best practice for enclosing user steps in transactions.
	5. Parameters • Explain what parameters are and how they work. • Solve playback problems with parameterization. • Parameterize a script.
	6. Auto Correlation After Recording • Define Correlation. • Correlate dynamic values found by using the Auto Correlation tool. • Describe the difference between parameterization and correlation.

Day 2	**7. Verification** • Recognize why and when to use verification. • Identify visual cues to check for during load testing. • Add Text Checkpoints during and after recording.
	8. Actions • Create multiple Actions for a web script. • Configure Actions to achieve load testing goals.
	9. Introduction to Script View • Identify when Script view is necessary. • Send customized output messages to the Replay Log. • Identify basic C code including statements, variables, and functions. • Apply basic debugging techniques in VuGen.
	10. Advanced Scripting Techniques • Recognize general VuGen functions. • Recognize protocol specific functions.

	11. Manual Correlation • Determine when manual correlation is required. • Correlate dynamic values using the create parameter option. • Correlate a script by manually using WDiff. • Manually insert the web_reg_save_param correlation function. • Parameterize the dynamic value in a script.
	12. Auto Correlation During Recording • Create correlation rules to auto correlate during recording. • Import and export correlation rules.