

# ***Performance Testing with LoadRunner: MCQs***

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**1. Which component of LoadRunner is used for scripting purpose?**

- a. Controller
- b. Virtual User Generator**
- c. Analysis
- a. Load Generator

**2. What is Think time?**

- a. Time between two successive transactions
- b. Pause time between two successive user steps**
- c. Time delay between the request to the server and its response
- d. None of the above

**3. What is Latency?**

- a. Time between two successive transactions
- b. Pause time between two successive user steps
- c. Time delay between the request to the server and its response**
- d. None of the above

**4. How many functional segments does the Action part of Virtual User Generator have?**

- a. 2
- b. 3**
- c. 4
- d. 1

**5. Where we can set the number of iterations, that a script is required to execute?**

- a. Runtime Settings->Run Logic**
- b. Runtime Settings->Speed Simulation
- c. Runtime settings->Pacing
- d. Runtime Settings->General

**6. How many types of Logs are available in VuGen?**

- a. Standard and Extended**
- b. Standard and Intermittent
- c. Extended and Intermittent
- d. Standard, Intermittent and Extended

**7. What is/are the components of Extended Log?**

- a. Parameter Substitution
- b. Data returned by server
- c. Advanced trace
- d. All of the above

**8. Name the ways by which a Vuser can be executed?**

- a. By Thread and Process
- b. By Thread and Method
- c. By Process and Method
- d. By Thread, Process and Method

**9. Load Runner Agent can be defined as:**

- a. Interface between Host and Load Generator
- b. Interface between Host and Controller
- c. Interface between Load Generator and VuGen
- d. Interface between Controller and VuGen

**10. What is Parameterization in VuGen Scripting?**

- a. Replace the hard-coded value within the script and replace it with variable
- b. Replace any Variable in the script with a provided hard coded value
- c. Replace a previous hard coded value with a new value provided
- d. None of the above

**11. What is the significance of Parameterization?**

- a. Allows a Vuser to run only once with a single data
- b. Allows a Vuser to run multiple times with a single data
- c. Allows a Vuser to run multiple times with a different data
- d. All of the above

**12. What is Pacing?**

- a. Time between two successive transactions
- b. Pause time between two successive user steps
- c. Time delay between the request to the server and its response
- d. None of the above

**13. What is the extension of a VuGen script?**

- a. .uss
- b. .lrr
- c. .usr
- d. .lrs

**14. Which component can open the file type with extension .lrr?**

- a. VuGen
- b. Controller
- c. Analysis
- d. Load Generator

**15. An end to end measurement of time when more than one steps are executed is given by the term:**

- a. Transaction Response time
- b. Business Process Time
- c. Step Download Time
- d. Business Verification Time

**16. What automated load tests are preferred over manual load tests in real world scenarios?**

- a. Scalability
- b. Repeatability
- c. Ease of access to data gathering and validation
- d. All of the above

**17. What are the types of check-points can we find in LoadRunner scripting?**

- a. Image Checkpoints
- b. Object Oriented Checkpoints
- c. Text Checkpoints
- d. Image and Text Checkpoints

**18. What is Correlation in VuGen Scripting?**

- a. Replace the hard-coded values which are unique and dynamic and fetch during runtime to enable successful playback of scripts
- b. Replace the hard-coded values which are unique and fetch during runtime to enable successful playback of scripts
- c. Replace the hard-coded values which are repetitive and fetch during runtime to enable successful playback of scripts
- d. Replace the variables and fetch during runtime to enable successful playback of scripts

**19. Which Analysis graph is used to measure the transaction response times throughout the entire test duration?**

- a. Average Vuser Response Time
- b. Average Transaction Response Time

- c. Transaction Response Time (distribution)
- d. Total Transactions Per second

**20. The interactions of the server and Network time can be obtained by which graph?**

- a. Vuser summary graph
- b. Transaction Summary graph
- c. Average Transaction Response Time
- d. Time to First Buffer Breakdown

**21. What is the shortcut key for Debug mode script execution?**

- a. F5
- b. F4
- c. F9
- d. F10

**22. What is the shortcut key for providing breakpoints in script execution?**

- a. F5
- b. F9
- c. F10
- d. F1

**23. What are the scripting languages used in load runner?**

- a. ANSI C
- b. JavaScript
- c. .NET Framework
- d. All of the above

**24. Identify the process for developing a Vuser script in proper order?**

- 1-Record the Vuser Script.
  - 2-Define the various run-time settings & check
  - 3- Playback / Enhance the recorded vuser script.
  - 4- Incorporate the script in a Loadrunner scenario
- a. 1-2-3-4
  - b. 1-3-4-2
  - c. 2-3-1-4
  - d. 1-3-2-4

**25. What is Rendezvous point?**

- a. Synchronization or wait point to emulate intermittent loads in the scenario

b. Synchronization or wait point to emulate heavy load only to particular portion of the scenario

c. Synchronization or wait point to emulate steady load only to particular portion of the scenario

d. Synchronization or wait point to emulate heavy load only throughout the entire scenario

**26. How can we debug a LoadRunner script?**

a. Run Step by Step command

b. Breakpoints

c. None of these

d. All of the above

**27. A Performance Test Scenario comprises of which of the following?**

a. Number of users, Runtime Settings

b. Number of users, Runtime Settings, Virtual machines system

c. Runtime Settings, Virtual machines, Scripts

d. Scripts, Number of users, Runtime Settings, Virtual machines system

**28. What are the frequent changes that are generally made to the run-time settings?**

a. Pacing, Log, Speed Simulation

b. Pacing, Log, Think Time, Miscellaneous

c. General, Pacing, Log, Speed Simulation

d. General, Pacing, Log, Think Time

**29. What are the Parameter selection methods when choosing data from a data file?**

a. Sequential, Random

b. Random, Unique, Parameter Name

c. Unique, Random, Sequential

d. Parameter name, Unique, Random, Sequential

**30. Which section of the script gets iterated when executing the script for multiple iterations?**

a. Group

b. Action

c. Vuser\_init

d. Vuser\_end

**31. Which component generates the Virtual Users?**

- a. Analysis
- b. Controller
- c. Utility server
- d. Load generator

**32. From which section of VuGen one can find the auto-correlation option?**

- a. Solution Explorer
- b. Version Control
- c. Design Studio
- d. Runtime Settings

**33. What is the shortcut key for opening the Parameter window in VuGen?**

- a. Ctrl+P
- b. Ctrl+K
- c. Ctrl+L
- d. Ctrl+R

**34. What is the shortcut key for inserting start and end transaction points in VuGen?**

- a. Ctrl+T
- b. Ctrl+Shift+T
- c. Ctrl+T, Ctrl+Shift+T
- d. None of the above

**35. Which special character is used to Comment or Uncomment a particular portion in script?**

- a. &
- b. #
- c. \\\
- d. //

**36. Which type of Performance Test is conducted to check the breaking point of the application under load?**

- a. Load Test
- b. Stress Test
- c. Volume Test
- d. Endurance Test

- 37. Which type of Performance Test is conducted to check the performance of the application under continuous prolonged load?**
- a. Load Test
  - b. Stress Test
  - c. Volume Test
  - d. Endurance Test
- 38. By what component, the performance metrics for a variety of major backend system components including firewalls, application servers, and database servers can be gathered?**
- a. Load Generators
  - b. Performance Monitors
  - c. Analysis
  - d. Controller
- 39. Just after completing the Test Execution which step needs to be performed to fetch the results?**
- a. Analyze
  - b. Collate
  - c. Fetch
  - d. Summarize
- 40. What is the command for Text Checkpoint in Vugen Scripting?**
- a. web\_find
  - b. web\_reg\_save
  - c. web\_reg\_find
  - d. web\_save\_find
- 41. What is the command for Manual Correlation in Vugen Scripting?**
- a. web\_save\_find
  - b. web\_save\_param
  - c. web\_reg\_save\_param
  - d. web\_save\_param
- 42. Which command sends a message to Vuser log file?**
- a. lr\_log\_message
  - b. lr\_message
  - c. lr\_output\_message
  - d. lr\_output\_log\_message
- 43. How many types of layout are there in Vugen?**
- a. 4



b. 5

c. 6

d. 7

**44. Which command sets the maximum length of retrieved dynamic HTML information?**

a. web\_set\_max\_html\_len

b. web\_set\_max\_html\_param\_len

c. web\_set\_html\_len

d. web\_set\_max\_html\_param\_len\_save

**45. What is the command for Image Checkpoint in Vugen Scripting?**

a. web\_image\_check

b. web\_image

c. web\_check\_image

d. web\_set\_image\_check

**46. The command used for auto cleanup of cache is:**

a. web\_auto\_cleanup

b. web\_auto\_cache\_cleanup

c. web\_cache\_cleanup

d. web\_set\_cleanup\_cache

**47. Details of individual steps of a business workflow can be obtained from:**

a. Solution explorer

b. Version Control

c. Step Navigator

d. Design Studio

**48. The login part of the workflow is generally recorded in which segment?**

a. vuser\_end

b. action

c. vuser\_init

d. All of the above

**49. The main business process is generally recorded in which segment?**

a. vuser\_end

b. action

c. vuser\_init

d. All of the above

**50. By which mode of playback it is possible to debug the script corresponding to server network?**

a. Extended Log->Parameter Substitution

b. Extended Log->Advanced Trace

c. Extended Log->Data returned by server

d. None of these

**51. Identify the steps of a proper Load test in order of occurrence?**

1. Plan the load test

2. Create Scenario

3. Execute Scenario

4. Prepare VuGen Scripts

a. 1-2-3-4

b. 1-3-4-2

c. 4-1-2-3

d. 2-3-4-1

**52. While selecting an application for Performance testing what basic information needs to be gathered first?**

a. Anticipated load

b. Environment to be tested

c. Connectivity and Server Network settings

d. All of the above

**53. What is the basis of initiation of a Performance Test?**

a. Workload Model

b. Test Plan

c. Test Scripts

d. Test Scenarios

**54. The collection of Vusers is known as:**

a. Cluster

b. Group

c. Profile

d. None of the above

**55. Which of the following represents the valid status of a Vusers in the Summary Results?**

a. Passed

b. Failed

- c. Stopped
- d. All of the above

**56. What are the different statuses of Vusers during the Test execution?**

- a. Pending, Running, Failed
- b. Pending, Init, Running, Failed, Error
- c. Pending, Init, Running, Failed
- d. Pending, Init, Running, Error

**57. Which tab enables to compare between the Recording and the Replay screens of the workflow?**

- a. Solution explorer
- b. Thumbnail Explorer
- c. Snapshot Viewer
- d. Output Viewer

**58. What Column delimiters are available for Parameter File format?**

- a. Comma
- b. Tab
- c. Space
- d. All of the Above

**59. What Recording Settings are available to start recording?**

- a. Immediately
- b. In a delayed mode
- c. At an interval of
- d. Both a and b

**60. Which options are available to update the value of a parameter during multiple iterations?**

- a. Update value on each iteration
- b. Update value on each iteration and occurrence
- c. Update value on each occurrence
- d. Update value on each iteration, occurrence and only once

**61. Apart from LoadRunner which other tool can be used in Performance Testing?**

- a. QTP
- b. UFT
- c. RFT
- d. Jmeter

**62. A Workload model will have which of these as the main components?**

- a. No of Users, Transaction Mix
- b. No of Users, Transaction Mix, Batch Programs
- c. No of Users, Transactions, Transaction Mix, Batch Programs
- d. Transactions, Transaction Mix, Batch Programs

**63. What type of Performance Testing is conducted to check the application stability against sudden concurrent load?**

- a. Stress testing
- b. Volume testing
- c. Spike testing
- d. Load testing

**64. What type of scenario can be created for Performance Testing?**

- a. Manual
- b. Goal Oriented
- c. Both a and b
- d. None of the above

**65. What Parameters are analyzed from a load Test?**

- a. Response Time
- b. Memory and CPU utilization
- c. Disk Space Utilization
- d. All of the above

**66. The main objective of performing a Debug run?**

- a. To find out the logical and syntax errors
- b. To find out the network issues
- c. To verify parameterized data used in the script for every iteration
- d. To verify the application stability

**67. What is the shortcut key for Regenerating the script?**

- a. Ctrl+R
- b. Ctrl+Shift+R
- c. Ctrl+Alt+R
- d. Ctrl+Shift+S

**68. The entire script data pertaining to the business flow under test can be obtained from:**

- a. Error log
- b. Extended Log

c. Code Generation Log

d. Standard Log

**69. Connection to ALM or Performance Center from VuGen can be established from which tab?**

a. Solution Explorer

b. Design studio

c. Version Control

d. Thumbnail Explorer

**70. Which of the following is a Performance Monitoring Tool?**

a. LoadRunner

b. UFT

c. JMeter

d. Sitescope

**71. Which components are used to Collate Results of the run data?**

a. Load Generator and Controller

b. Controller and Analysis

c. Diagnostics mediators and Load Generators

d. Analysis and Virtual User Generator

**72. Which feature of Analysis provides the capability to generate reports for repetitive scenario runs?**

a. HTML Reports

b. Report Templates

c. Diagnostics

d. Graph Data

**73. Which command is used to validate the value of a parameter against an expected value?**

a. lr\_get\_param\_value

b. lr\_checkpoint

c. lr\_eval\_string

d. lr\_set\_value\_param

**74. Which command replaces a parameter with its current value?**

a. lr\_get\_param\_value

b. lr\_checkpoint

c. lr\_eval\_string

d. lr\_set\_value\_param

**75. What are the options to initialize the Vusers in the scenario?**

- a. Each Vuser initialization before Run, Simultaneously
- b. Each Vuser initialization before Run, Simultaneously, Gradually**
- c. Simultaneously, Gradually
- d. Each Vuser initialization before Run, Gradually

**76. Select the environment which is needed during Performance Testing activity:**

- a. Uncontrolled Test Environment
- b. Controlled Test environment downscaled as production**
- c. Controlled Test environment as production
- d. Development environment

**77. The PE report with specific focus on critical components under test in production is known as:**

- a. Baseline report**
- b. Benchmark report
- c. General Report
- d. Dashboard Report

**78. The PE report which summarizes multiple data sources into a single spreadsheet in production is known as:**

- a. Baseline report
- b. Benchmark report
- c. General Report
- d. Dashboard Report**

**79. System architecture comprises of which of the following?**

- a. Physical and superficial architecture
- b. Physical and logical architecture**
- c. Application tiers
- d. Logical and superficial architecture

**80. The performance test which is conducted to develop the scaling strategy of the test environment is:**

- a. Validation Test
- b. UAT
- c. Component scaling test
- d. Capacity test**

**81. The Performance criteria which is often considered negotiable is categorized as:**

- a. Performance Requirements

**b. Performance Goals**

- c. Performance Objectives
- d. All of the above

**82. The Performance criteria which is non-negotiable is categorized as:**

**a. Performance Requirements**

- b. Performance Goals
- c. Performance Objectives
- d. All of the above

**83. State workload model expectations for the system over time is categorized as:**

- a. Performance Requirements
- b. Performance Goals
- c. Performance Objectives**
- d. All of the above

**84. Which comes under Performance test objectives?**

- a. Inductive objectives
- b. Deductive objectives
- c. Maintenance objectives**
- d. Innovative objectives

**85. The main source of web metrics to track the usage of data is:**

- a. Standard values
- b. Test Results
- c. Server log files**
- d. Vuser Summary

**86. The Performance test aspect that needs to be archived:**

- a. Test Scripts
- b. Test data
- c. Test Results
- d. All of the above**

**87. The term used to describe the time a message takes to travel from its origin through the network to its destination:**

- a. Server Response
- b. Latency**
- c. Memory outage time
- d. Transaction Response time

**88. The most important performance criteria from end user perspective is:**

- a. Scalability
- b. Resources budget
- c. Application response time
- d. Network bandwidth

**89. The performance metrics compared through industry standards comes under:**

- a. Baselineing
- b. Benchmarking
- c. Standardization
- d. Generalization

**90. The performance metrics compared through own system tests comes under:**

- a. Baselineing
- b. Benchmarking
- c. Standardization
- d. Generalization

**91. Where to set the scenario settings during the execution of a scenario?**

- a. Test Lab
- b. Global Scheduler
- c. Groups and Workload Tab
- d. None of the above

**92. Which of the following can be considered as a Performance bottleneck?**

- a. Memory leakage
- b. Network issues
- c. Software error
- d. All of the above

**93. What can identify Performance bottlenecks?**

- a. Load Generators
- b. DB servers
- c. Application Servers
- d. Monitors



**94. Which is the position at which web\_reg\_save\_param can be used in script?**

- a. Before the step that retrieves the dynamic value
- b. After the step that retrieves the dynamic value
- c. Both a and b
- d. None of the above

**95. Which aspect confirms that the VuGen script performs the exact function which it is intended to?**

- a. Correlation
- b. Parameterization
- c. Checkpoints
- d. Comments

**96. The dynamic values can be found in which part of the Code Generation Log?**

- a. Request body
- b. Response body
- c. Header of the response
- d. All of the above

**97. Which report formats are automatically available through Analysis?**

- a. .docx and .xls
- b. .pdf and .docx
- c. .pdf and html
- d. .docx and html

**98. When Performance testing should be incorporated in the project lifecycle?**

- a. At the beginning of the lifecycle
- b. After the specifications are finalized
- c. Just before the testing phase
- d. Only after problems sets in corresponding to production go live

**99. Select the one that does not belong to Performance testing aspect?**

- a. Throughput
- b. Automation framework
- c. Network Latency
- d. Response Time

**100. What does KPI stand for?**

- a. Known Performance Index
- b. Key Performance Index
- c. Key Performance Indicators
- d. Known Performance Indicators