## **Which components have you used in Load Runner**

**Virtual user generator (VUGEN)** It records Vuser scripts that emulate the step of real users using the application.

**Controller** it is an administrative center for creating ,maintaining  ,and executing scenarios .starts and stops load tests, and perform other ad ministrative tasks

**Analyser** uses the load test results to create graphs and reports that are used to correlate system information and identify both bottlenecks and performance issues.

## **How can you set the number of Vusers in Load Runner**?

You can set the number of Vusers in the controller section while creating your scenarios. Many other advanced options like ramp-up, ramp-down of Vusers are also available in the Controller section.

## **What is Correlation?**

Correlation is used to obtain data which is unique for each run of your test script (ex: session ids). While recording, these dynamic values are hard-coded in your script causing the script to fail during playback. Correlation is a technique where dynamic values are not hard-coded in your script but are extracted at run-time to avoid failure

## **What is the process for developing a Vuser Scrip**

There are four steps for developing a vuser script.  
1- Record the Vuser Script.  
2- Playback / Enhance the recorded vuser script.  
3- Define the various run-time settings & check  
4- Incorporate the script in a LoadRunner scenari

## **How Load Runner interacts with the application?**

Load Runner is a software testing tool from Micro Focus. It is used to test applications, measuring system behaviour and performance under load. Load Runner can **simulate thousands of users concurrently using application software, recording and later analyzing the performance of key components of the application**

## **How many VUsers are required for load testing?**

The number of VUsers required depends on your system under test, network configurations, hardware settings, memory, operating system, software applications objective of a performance test. There can not be any generic value for Vuser.

## **What is the relationship between Response Time and Throughput?**

Response time and throughput are related. The response time for an average transaction tends to decrease as you increase overall throughput. However, you can decrease the response time for a specific query, at the expense of overall throughput, by allocating a disproportionate amount of resources to that query.

## **What is the difference between hits/second and requests/second**

Hits per second mean the number of hits the server receives in one second from the vuser.

Request per second is the number of request the vuser will request from the server.

**• What is Automation Testing?**

Automation Testing is the method of testing software products with special testing tools and frameworks to minimize human intervention and maximize quality

Automation Testing is done with the help of automation software, and it controls the flow of the execution of tests as per the written test scripts. They are then compared with predicted outcomes to ensure the quality and reliability of the application. With Automation Testing, one can perform necessary repetitive tasks and those tasks that are hard to achieve with manual testing. Therefore, this type of testing is critical for CI/CD pipelines.

**• Which Are The Browsers Supported By Selenium Ide?**

Selenium IDE has add-ons for **Firefox and Chrome** browsers

**• What are the benefits of Automation Testing?**

* Saves Time and Money: Testing applications is a continuous process. ...
* Increases Test Coverage
* Improves Accuracy
* Helps Achieve Continuous Testing
* Enables Reusability
* Offers Faster Feedback
* Improves Team's Morale
* Promises Information Security

**• What are the advantages of Selenium?**

* Open-Source:
* Supports Operating Systems:
* Support across browsers:
* Tests across devices.
* Constant updates.
* Ease of implementation.
* Reusability and Add-ons

**• Why testers should opt for Selenium and not QTP?**

Selenium, however, supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.