Assignment_M4

1. Which components have you used in Load Runner?

Ans:-

Load Generator generates the load against the application by following scripts:

- VuGen (Virtual User Generator) for generating and editing scripts.
- Controller controls, launches and sequences instances of Load Generator - specifying which script to use, for how long etc.

2. How can you set the number of Vusers in Load Runner?

Ans:-

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.

3. What is Correlation?

Ans:-

Correlation is a statistical measure that indicates the extent to which two or more variables fluctuate in relation to each other. A positive correlation indicates the extent to which those variables increase or decrease in parallel; a negative correlation indicates the extent to which one variable increases as the other decreases.

4. What is the process for developing a Vuser Script?

Ans:-

1-recording the vuser script .

2-edit the vuser script.

3-runtime setting .

4-run the vuser script in stand-alone mode.

5-incorporate the vuser script into a load runner scenario.

5. How Load Runner interacts with the application?

Ans:-

LoadRunner simulates user activity by generating messages between application components or by simulating interactions with the user interface such as key presses or mouse movements. The messages and interactions to be generated are stored in scripts.

6. How many VUsers are required for load testing?

Ans:-

If you know the peak hourly visit rate (the number of unique visitors to the website in its busiest hour) and the average visit length (the amount of time, on average, each use spends on the website), enter them for an estimate of the required Virtual User count.

7. What is the relationship between Response Time and Throughput?

Ans:-

The average transaction's response time tends to decrease as overall throughput increases. However, by allocating a disproportionate amount of resources to a specific query, you can reduce response time at the expense of overall throughput.

When we test websites and apps to ensure they work well for a large number of people, we pay close attention to throughput and response time. Just as we want our roads to be able to handle a large number of cars without becoming too congested, we want our websites and apps to be able to handle a large number of users without becoming too slow or frustrating.