

**Assignment – 4**

**Module - 4 Automation Core Testing**

1. Which components have you used in Load Runner?

Answer:

* **The components of Load Runner are we used in load runner is :**
  + Load Runner, Virtual User Generator, Controller, and the Agent process, Analysis
* **Load Generator:** It is used to generate the load against the application by running the script.
* **VuGen:** It is used for generating and editing scripts.
* **Controller:** It is used to control, launch, and sequence the instance of a Load Generator.
* **Agent Process:** It is used to manage the connection between the Controller and Load Generator instances.

**Analysis:** It assembles the logs from different load generators and formats the reports for visualization of results and monitoring data.

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

Answer:

* 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.

1. What is Correlation?

answer: In applications output of the previous transaction is used as an input for the next transaction.

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

Answer:

* 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 Load Runner scenario
5. How Load Runner interacts with the application?

* Answer: Protocol is used in Load Runner to interact with the application.

1. How many VUsers are required for load testing?

Answer:

* 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.

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

Answer:

* The Throughput shows the amount of data in bytes that the Vusers received from the server in a second.
* When It is compared with transaction response time, throughput and response time get decreased.
* The peak throughput and highest response time would occur approximately at the same time.

1. What is the difference between hits/second and requests/second?

Answer:

* Hits /second mean the number of hits the server receives in one second from the Vuser.
* Request /second is the number of request the Vuser will request from the server.

1. **To test the Performance testing on “Tops Technologies website”:- https://www.topsint.com/**

**1. to Record all top level menu**

**2. to Record minimum 10 Vuser on this website**

**3. save all (Script,Design,Graph)**

1. **create a normal script of above website with correlate using hp default website.**