Analysis

The last and most important phase of the Performance Testing Life Cycle is Test Result Analysis and Reporting. LoadRunner also follows the same approach i.e. after completion of the test it generates test results for analysis purposes so that you can compare the result with the defined SLA and identify the issue if any. LoadRunner has a dedicated tool called ‘Analysis’ to carry out the result analysis part.

The analysis tool is really helpful in analyzing the performance test result. Micro Focus Analysis Tool has multiple graphs and statistics that display the result in a simple, accurate and in-depth form. They help to detect bottlenecks and report enabling you to view and understand the data and analyze system performance after a test run.

# How to perform test result analysis in LoadRunner?

1. Run the scenario in the controller
2. After the execution is done. Click on Results 🡪 Analyze Results
3. The execution result will be loaded in Analysis

# Points about Analysis

* Analysis is the utility to a**nalyses the LoadRunner results**.
* LoadRunner results are saved in **.lrr file** and can be viewed using Analysis.
* Analysis gathers the result **information from scenario results** (lrr file) and stores the information in form of .lra file.
* LoadRunner result has “**Log” folder** which contains Vuser logs and saves snapshots on error.
* Analysis generates **Analysis Summary** for the test which gives good idea about the test.
* Analysis **generates graphs** from the data collected during the test execution.
* Few of the graphs which are important for analysis of the results are Running Vusers, Hit per second, Throughput, Transaction Summary, Average Transaction Response Time, Error per second, etc.
* Analysis provides the **raw data** from which graphs are created.
* A New Graph can be added by right-clicking on the Graph and adding a new Graph
* New Report can be added from Reports 🡪 New Reports

# Notes, Raw Data, and Graph Data

1. User Notes can be added from the Notes section(Present on the extreme right side)
2. Raw data can be viewed for any graph by selecting retrieve raw data for any graph
3. Graph data is explicit for graphs

* The report can also be exported as HTML and a new report can be added which can be saved as PDF/word document
* We can also merge two graphs to view two graphs together