LOAD RUNNER:

LoadRunner is a market leader in the Performance Testing. LoadRunner supports various development technologies, tools, and communication protocols. It is the only tool in market which supports such large number of protocols to conduct Performance Testing.

LoadRunner is integrated with other HP Tools like Unified Functional Test (QTP) & ALM (Application Lifecycle Management). LoadRunner main principal is simulating Virtual Users on the subject application. These Virtual Users also termed as VUsers, replicate client's requests and expect a corresponding response to passing a transaction. It can simulate thousands of concurrent users to produce real-time load transactions and analyse results.

LoadRunner Architecture:

- VUGen: VUGen or Virtual User Generator is an IDE (Integrated Development Environment) or a rich coding editor. VUGen is used to replicate System under Load (SUL) behavior.

- Controller: Once a VUser script is finalized, Controller is the main component which controls the Load simulation.

- Analyze: Once Load scenarios have been successfully executed, the role of "Analysis" component comes in. During the process of execution, Controller creates a dump of results in raw form & contains information like, which version of LoadRunner created this results dump and what were configurations.

Advantages:

- Simplified Testing

- Faster Testing

- Boost Confidence

- Cost Efficiencies

Course Content:

- Key types of Performance testing

- Non-functional requirements gathering

- Load Runner Installation and Licensing policy discussion

- Load runner components and Protocol discussion

- VUGen Recording options

- VUGen Runtime settings

- Action files

- Transactions

- Checkpoints

- Parameters (Parameterization)

- Manual correlation

- Automatic correlation

- Controller

- Manual scenario and goal oriented scenario

- Scheduling Scenario

- Adding monitors in Controller

- Running load test in controller

- Analysis

- Adding graphs in Analysis and creating Reports

- Performance Counters for O/S and database

- Windows performance monitoring tool

- Performance Center overview

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