Performance Testing Using LoadRunner 12.x

Harish Kumar Mukta

Roadmap

- Performance Testing Introduction
    - Why and when we do performance testing
    - Phases/SDLC of PT
- Types of performance testing
    - Load Testing-Peak Load/Normal
    - Stress Testing
    - Duration/Endurance
    - Spike
    - Capacity
    - Volume
- Tools used for Performance Testing
- Performance Terminology
- Performance Test strategy and approaches
- Little's Law
- N(No of Users)=(Total Run time)*TPS

Continued..

- LoadRunner
  - Introduction
  - Tool GUI options
  - Script Structure - in detail
  - Coding Standards to be followed in realtime
  - sample record replay
  - Recording Options - In detail
    - **Export & Import .cor files.**
  - Parameterization - in detail
    - Realtime mostly used parameters
  - Functions on Parameters
    - Realtime mostly used functions
  - RunTime Settings
  - Text Check and Error Handling using the parameters
  - Correlation - in detail
  - Develop Custom Function
  - LoadRunner Functions - in detail
  - C Basics - in detail
  - Protocols -web,truculent,web services- in detail
- Interview Questions for each section

Continued..

- **Controller or Performance Centre**
  - Load Generator
  - Execution
    - VUser and its life cycle - In detail
  - Scenario design- in Detail
  - Types of Scenarios -In detail
  - Different Options used in Controller - In detail
- **Analysis - in detail**
  - Different graphs and explanation –in detail
  - Analyzing the graphs and patterns
  - Merging graphs
  - Report Preparation and Walkthrough to client