**Performance Testing Case Study**

Client: GAIG

Tools Used : Neoload, Dynatrace

Project: Performance Assessment of GAIG’s internal Policy Application

Performance Testing for 4 Modules of GAIG’S internal Application was carried out which included the Policy System Functionality with 50 and 100 concurrent Users each and with a combined test with 125 users .

Neoload Tool was used for Performance Testing while Dynatrace was used for monitoring the Application

Performance Issues/Bottlenecks identified were reported back to the Development team along with recommendations to resolve them

Dynatrace web Request breakdown for the most time consuming web requests were captured and reported to drill down for tuning.

Approach

Below are the few essentials which were looked at:

* Objectives of performance testing
* Performance environment setup
* Scope of performance testing
* Performance test strategy definition
* Test scripting and data creation
* Performance testing with server counters monitored in LAN environment
* Metrics monitored are
  + Transactions response times and throughput will be measured and reported for the test Runs
  + Counters Measured:  CPU Utilization, Memory utilization for web ,Application and Database servers

Customer Benefit

* Early identification of major application defects and architectural issues
* Clarity on Hardware capacity as well as system utilization of Applications
* Benchmarks defined for Applications going to production