

## **LOAD TESTING OF TRAVEL PORTAL**

### **CLIENT PROFILE**

Our client is an eTravel expert that helps end-users book hotel stays and other value-added travel services. The client is currently catering wide range of customers domestic and overseas

### **BUSINESS CHALLENGE**

As the client was preparing to launch new version of their travel portal, they planned to run the promotional campaigns. During the campaign period they were expecting heavy traffic on their portal. The client wanted to ensure following before going live with their promotional campaigns

- Load test the application to assess scalability to withstand load up to 1000 concurrent users.
- Ensure that there is no slowdown of the website during contests as the number of users logged in would be high.
- Identify any performance bottlenecks and assess scalability in terms of response times, server performance, database performance and points of failure under different load conditions.

### **CONNECTQA SOLUTION**

Suretek along with its client identified the critical scenarios, performance parameters and their acceptance criteria.

Suretek's contribution and work profile:

- Identified the key parameters to measure the performance – response time, memory utilization, throughput and resource utilizations
- In collaboration with client we identified the key scenarios and further developed the workload model
- Created baseline performance metric data to evaluate effectiveness of performance improving changes
- Developed test scripts using JMeter to perform load testing.
- Executed test scripts for up to 1000 concurrent users.
- Created test lab for different test environments and network conditions
- Collected the metrics data as per the planned workload model and analysed the same to identify the bottlenecks.
- Prepared recommendation reports and published test results

- **Test runs were repeated to validate the fixes provided by the developers.**

**BENEFITS DELIVERED:**

- **Reduced testing cost by using open source tool, JMeter.**
- **Client application successfully handled 1000 concurrent users.**
- **Improved performance resulted in good reputation in competitive market and number of customers of the website increased.**

**TOOLS USED**

JMeter