

# Performance Testing Questionnaire

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Insurance 2  
Assurance 1.0

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Software Testing

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## **1. Preface**

This document provides an overview of Performance testing and a list of questions that any project team would require to answer in-order to gather performance requirements and to ensure preparedness for performance testing. This could also be circulated to the customer business team to collect necessary information about performance testing requirements.

## **2. Intended Audience**

This document is intended to any project team planning for performance testing on their system/application. This also caters business team for providing performance testing requirements.

### **3. What is Performance Testing?**

Performance testing is a nonfunctional testing type followed to determine performance of any software application. Performance testing is generally run to investigate system response time, stability under a particular workload. It can also be used to determine scalability, reliability and resource usage such as CPU usage.

Performance tuning is mainly concerned with achieving response time, throughput, and resource-utilization levels to meet the performance objectives for the application under test.

### **4. Types of Performance Testing**

Most commonly used performance testing types for any application are explained below in brief.

#### **4.1 Load Test**

Load testing is performed to understand the behavior of application under an expected user load.

#### **4.2 Stress Test**

Stress testing is performed to understand the behavior of application under high load condition which is beyond the expected normal load at any point of time.

#### **4.3 Performance Test**

This test is performed to determine response time, speed, scalability and stability of the application.

#### **4.4 Endurance Test**

Endurance testing is performed to determine if the application can withstand the load continuously for a longer period.

## 5. Performance Testing Questionnaire

The below listed questionnaire helps in gathering performance testing requirements and plan for performance testing. Answering to this questionnaire will help gain a better understanding of applications / Systems performance testing needs.

Sl. No	Questionnaire	Response/Remarks
1	Requesting to provide NFR document which explains the System/End user transactions need to be performance tested	
2	What is the configuration of Performance test region? Similar to Production server?	
3	What are the critical business transactions?	
4	What is the rate at which the Application needs to be scaled?	
5	What is maximum user load the application needs to handle?	
6	What is the typical number of concurrent users for each transaction that the application can support with acceptable performance?	
7	What are the different types of Performance tests that needs to be executed? <ul style="list-style-type: none"> <li>▪ Load Test</li> <li>▪ Stress Test</li> <li>▪ Performance Test</li> <li>▪ Endurance Test</li> </ul>	
8	Do we have any Error Rate permissible during a Performance Test Run?	
9	Will the response time be validated based on 90% activity or Average response time?	
10	What are the various performance Counters that will be in focus during the performance test run.	
11	Will the Run Time Settings (Think Time, Pacing and Others) for Each Load Test be given by the business team?	
12	Apart from Online performance testing any Batch Process needs to be performance tested?	
13	What is the SLA for batch job completion?	
14	What is the tool that we will be using for performance testing?	

15	Which tool will be used for performance Monitoring?	
16	In addition to Performance Testing do we also do monitoring or Tuning?	
17	Will there be a Review for Performance Test Scripts once it is ready? If so, who are the stakeholders for review and approval?	
18	Is there a Pre-defined Template available for Projecting the Performance Test Results?	
19	Is there any predefined Transaction Name to be followed for scripting?	