

Qcon's Performance Test Solution

Qcon offers a specialized application Performance Testing Service that helps business users establish and maintain high performance and effective production environments.

Our Services:

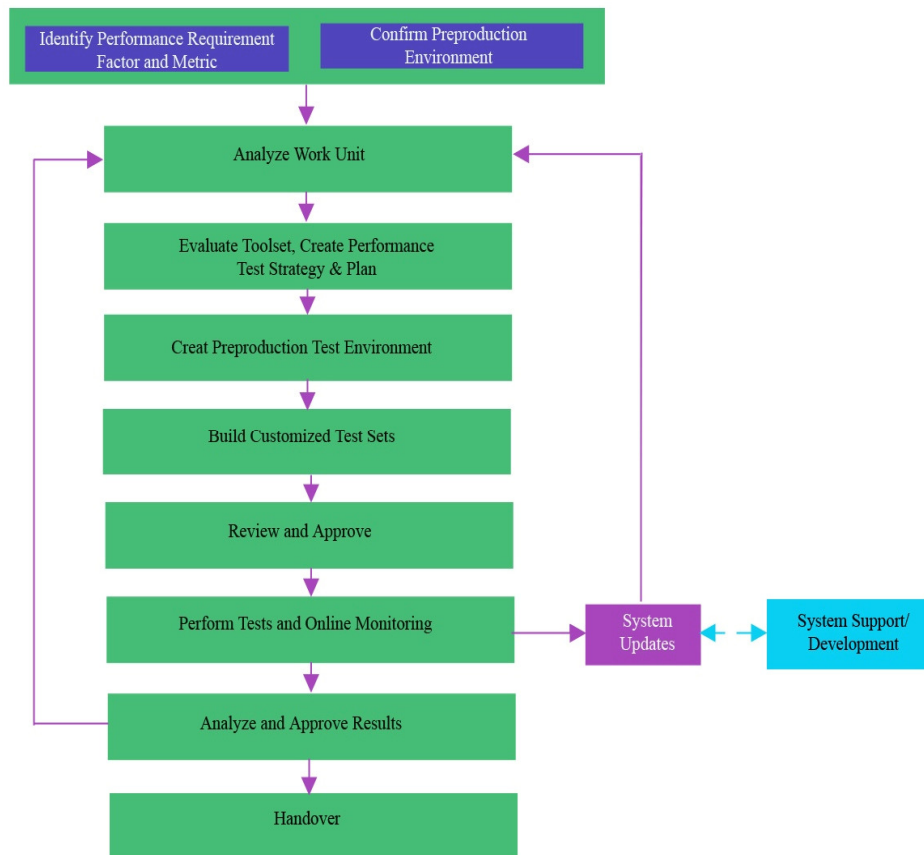
Qcon's Performance Testing Service include Load Testing, Volume Testing, Response Time Testing, Stress Testing, Transaction Throughput Testing, Performance Assessments and support services to identify application bottleneck to troubleshoot and fine tune. Performance Testing solution is delivered from Qcon Test Lab.

State-of-the-art & proven Performance Test methodologies are used to test the applications. Detailed Test Results are provided to the clients on completion of the tests.

Qcon also offers a periodical re-testing service to ensure the continued stability, performance, usability and compatibility of application in the internet environment.

Key Benefits

- Continued high performance and availability of the application.
- Documented results and analysis.
- Implementation within budget and time Constraints
- Open source solutions & test cost reduction
- Cost effective, ready to use framework
- Plug & Play services with test tools and technology



Identify Performance Requirements, Factor & Metric

Qcon's Business and Test Management team will identify client's requirements for performance and benchmark Data/Factor/Metric which is defined by client management or client's business team.

Confirm Production Environment

With the client's support, Qcon will establish the requirements of the testing environment. This includes areas such as complex functional transactions having performance objective, creation of UI data files in the multi variant environment like OS, server, bandwidth and database.

Analyze Work Unit and Identify Scenarios

Qcon Test Team investigates the applications(s) and identifies testable work units. Each work unit is analyzed to define the boundaries of the application together with any dependencies and interfaces. Data flow diagrams or use cases are used at this stage to assist in building the test data.

Evaluate tool set; create Performance Test Strategy & Plan

Qcon will identify the right tool set to execute Performance Test, design the user load distribution pattern, develop Performance Test strategy, approach and test execution plan.

Create Pre-production Test Environment

Qcon Test team will create the isolated test bed for Performance Test script development with production system setup standard.

Build Customize Test Sets

Using the information contained in the Test Specification, Qcon creates Performance Test scripts using the tool set and populates the data sets and test cases aligned to business requirement.

Review and Approve Test Sets

The Performance Test Sets built will be presented to the Client for review and approval. Rework of the Test Sets may be required as a result of this review.

Perform Tests & Online Monitor

Tests are performed using the Test Sets, test run design & user load model. Metrics such as Response Time, Throughput (kb/sec), Hits/Sec, Transactions/Sec and other resources like CPU, Memory, Network, and Database are also monitored. The identified issues are shared with Development & Business team. For any change in system, re-test is conducted.

Analyze & Approve Test Results

The results will be analyzed with respect to the above performance metrics. A reliable model of test result is generated before it is sent for the approval. Qcon Test team will pin point the bottlenecks of the given deployed systems supported with data, metrics.

Handover

When all issues have been resolved to the level of satisfaction of the client and the test team, the application will be handed back to the development and support team.
