



WEB AND API PERFORMANCE TESTING USING JMETER

Overview

At SuiteAmerica, we are redefining what corporate housing can be, worldwide. We combine an unrivaled level of detail and care with innovative technology for one goal: to create an environment where new is not daunting and discovery is effortless.

Business Need

- ✔ Environment/Data locks due to excessive loading and unplanned transactions
- ✔ Unplanned system outages & downtime
- ✔ Lack of insight into which applications or business transactions are potential risks and bottlenecks
- ✔ Evaluate system performance against performance requirements
- ✔ Determine throughput levels
- ✔ Assess performance of application and infrastructure for system capacity under the future volumes

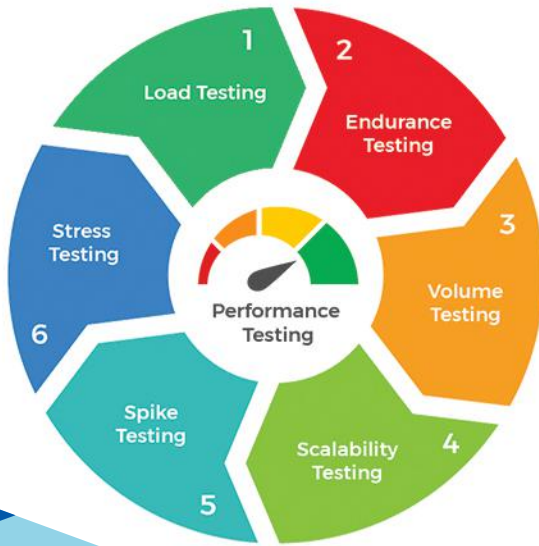
Client Situation

- ✔ Stability and Consistency of the application
- ✔ validate the speed, scalability characteristics of the application under test
- ✔ Applications breakdown as demand grows or there are unexpected issues due to intensive load tests
- ✔ Performance issues when integrating multiple applications in an E2E program (Web, API)
- ✔ Unsatisfied end users and clients



Recommended Solution

- ✔ Performance Test module in SmartQE will effectively address this, executes Performance scripts and display the test results.
- ✔ Use a flexible Performance methodology that supports end-to-end, and ad-hoc performance testing of releases and potentially productions systems
- ✔ Maximize ROI from Performance testing through consolidation and standardization.
- ✔ Integrated with CI/CD environment.



Results

- ✔ It Reduces production support costs by ensuring fewer performance defects and systems memory leaks from the production environment
- ✔ Improves efficiency
- ✔ Minimize time to market for new functionalities/ upgrades / migrations.
- ✔ Improves Quality
- ✔ Minimize performance test delivery time with experienced resources



Technologies

JMeter



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