NEWS LETTER

Performance Testing is a type of software testing which ensures that the program is operating effectively under load. Performance bottlenecks should be located and removed via performance testing.

Performance testing is crucial, so one should approach it with as much knowledge as you can. End-to-end performance testing a web application simulates both actual user behavior and real-world circumstances. The cost of such problems can be in the tens of thousands of dollars if your application fails to do the task for your clients. Imagine being able to identify every problem and system restriction, address them, and then release an application that is completely functional.

LOAD TESTING AT THE END?

YOU MUST REALLY KNOW WHAT YOU'RE DOING

Goal of Continuous performance testing is to

- Certify that the application meets performance targets.
- Plan capacity and manage growth.
- Track useful performance metrics.
- Identify load-related weaknesses and track SLA break points

Types of Performance Testing

- 6 Load Testing — 1
- 5 Stress Testing
- Spike Testing
- Endurance Testing
- 4 Scalability Testing
- Volume Testing — 2
- 3

Top Performance tools in the market today

SMARTBEAR LoadNinja | AppLoader
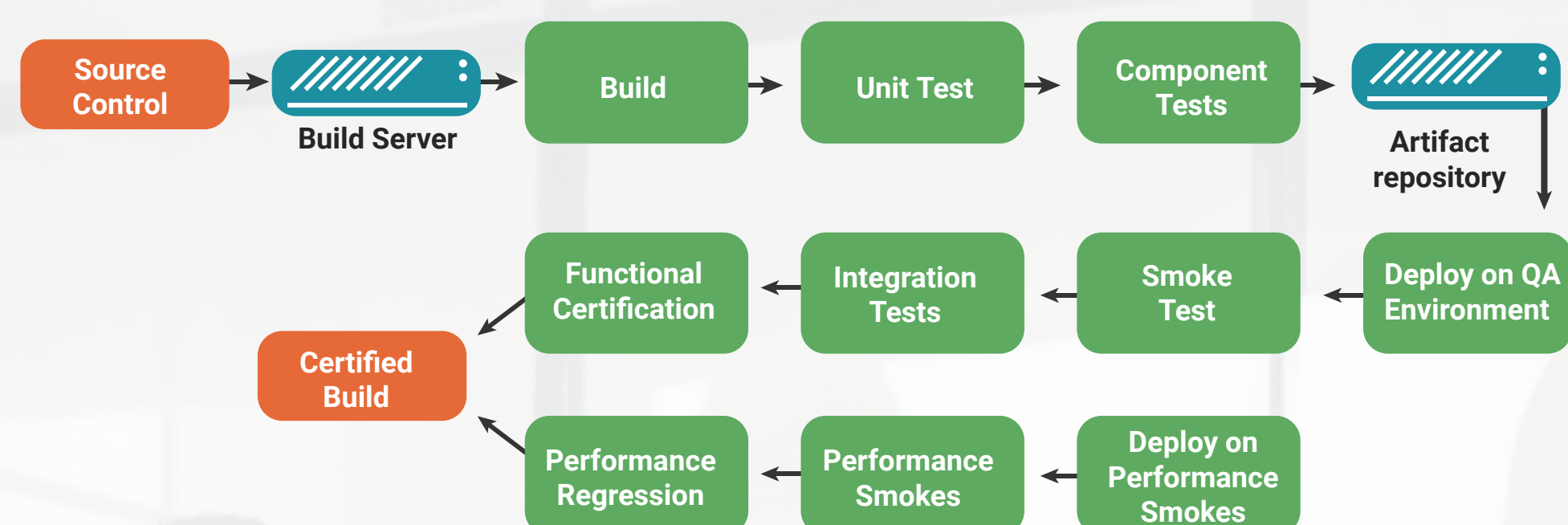smartmeter.io | WEBLOAD | LoadUI
NeoLoad | APACHE JMeter™

NexGen Performace testing - What's expected?

- Machine learning, AI, and sentiment analysis
- Shift Left Performance
- Browser-Based Performance Testing
- Performance in CI/CD

Continuous Performance Testing

Nobody wants scenarios in which poor e-commerce performance results in lost sales. Frenetic application troubleshooting and patching in the middle of the night irritate engineering teams more than anything else. And nothing annoys business people more or destroys careers like seeing clients leave your business for your rival's during the busiest shopping days of the year,

simply because their website or mobile app loads faster. By identifying these issues early on in the development cycle rather than after an application has gone live, continuous performance testing can aid in their prevention.

Lets answer one of the NexGen ask

How do you test performance early and often?

Enterprises today undoubtedly seek to better integrate continuous performance testing into automated pipelines. However, many people are having trouble making sense of the discordant clock-speed of testing with the present-day rapid pace of development/delivery.

aiTest, from Applied AI Consulting, is the NexGen Performance Testing Platform which enables CI/CD integration of Performance Testing and thus enables left shifting the entire performance testing phase.

★ Amazon would lose $1.6 billion in sales every year if its site took one more second to load

★ 39% of e-retailers claimed they lost money last year due to performance or stability problems

Source Control → Build Server → Build → Unit Test → Component Tests → Artifact repository

Certified Build ← Functional Certification ← Integration Tests ← Smoke Test ← Deploy on QA Environment

Performance Regression → Performance Smokes → Deploy on Performance Smokes