

Content Delivery Network (CDN) Elastic Applications and Security Services Validation

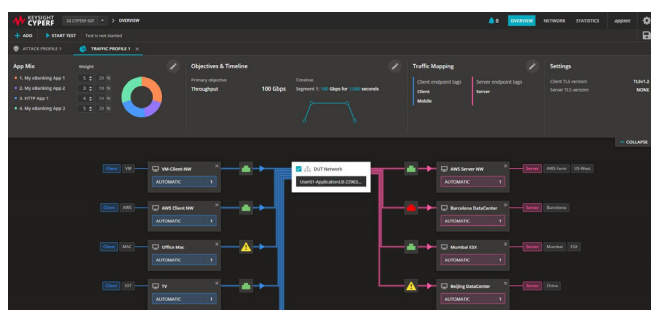
Keysight's CyPerf is the world's first agent-based test solution that recreates every aspect of a realistic workload across a variety of physical and cloud environments to deliver insights into end user experience, security posture, and performance bottlenecks of distributed networks. CyPerf helps organizations validate the health of their geographically distributed points of presence (POPs) to ensure high-performing content delivery networks (CDNs).

Challenges to Validate Performance and Security of CDNs

- Maintaining consistent quality of experience across POPs
- Differentiating security offerings from other CDNs – WAF, DDoS Mitigation, Inspection
- Handling continuous issues and change management in a highly dynamic environment
- Validating new POPs before deployment
- Changing security policies to stay ahead of rapidly changing threats
- Detecting problems early in complex CDNs and validating mitigation measures
- Demonstrating to customers the immediate value of a CDN through live-traffic proof of concept demos



CyPerf—Your Solution to Ensuring High-Performing POPs and CDNs



- Evaluate POPs as they are accessed from various locations to understand maximum and average latencies, caching efficiency, and load handling capacity like CPS, concurrency, and throughput
- Verify service level agreements (SLAs), rate limiting, policing, and shaping
- Check POP QoE metrics and how they differ from each other
- Perform customers POCs with actual traffic
- Detect issues before they become a problem and validate that the resolution is working
- Eliminate hassles in change management by validating changes before pushing to production
- Generate attacks in a safe closed-loop system to find security holes in your CDN services