SPIRENT PROFESSIONAL SERVICES

OnDEMAND TESTING

ULTRA-LOW LATENCY PERFORMANCE

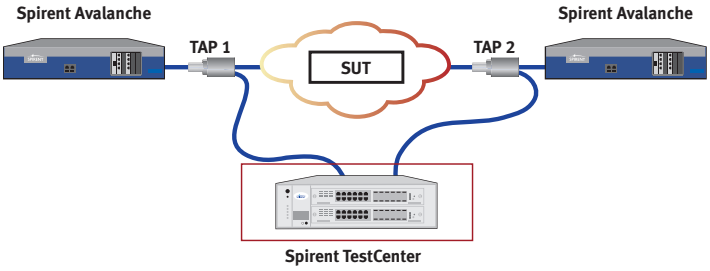
Slow Response Erases Competitive Advantage. Financial institutions making buy or sell decisions on market data feed – and organizations that provide live feed information through Software as a Service (SaaS) or Infrastructure as a Service (IaaS)– gain competitive advantage from delivering their data and responses, across cities and continents, as quickly as possible.

BENEFITS & VALUE

- Assure quality performance before going live
- Discover and correct network deficiencies before deployment
- Ensure the caliber of service availability
- Protect revenue streams

ASSURE FAST, RELIABLE SERVICES AND TRANSACTIONS

Spirent Professional Services' Ultra-Low Latency OnDEMAND test service delivers realistic traffic flow before deployment, allowing you to compare the latency costs and characteristics of network elements offered by competing manufacturers. Perform vendor selection based on real-world latency data so that top-priority success metrics are assured in your technology investments.



Conceptual Testbed Topology

OnDEMAND TESTING

Advantage is measured in microseconds. Failure to have competitive response times affects the ability to be first to make a trade and fosters serious customer dissatisfaction. Business gravitates toward providers who provide the fastest responses. Monitoring after deployment gives you critical information too late. To stay on the leading edge, you must know exactly how your solution measures up to the competition at the time of launch.

Until now it has been almost impossible to accurately predict the latency impact of an evolving back end network, as it has not been possible to assess the uni-directional latency of individual network elements with realistic testing (using Stateful traffic). The consequence is that networks have had to remain very simple, which precluded essential network infrastructures such as redundancy and firewalls. The impact is an unreliable understanding of the application's potential weaknesses until it is up and running: too late to stay ahead of your competition.

SPIRENT'S ONDEMAND ULTRA-LOW LATENCY TEST PACKAGE INCLUDES:

- **Assessment & Optimization:** Application/SaaS performance and benchmarking
- **Vendor Selection:** Server load balancers, firewalls, WAN optimizers, network infrastructure
- **Equipment Rental**
- **Standard On-Site Engagement Length:** 2 days

SOLUTION COMPONENTS – TESTS

- **Latency:** Average, min, max latency, and latency distribution of each traffic load
- **Granularity:** Micro seconds, depending on the accuracy of time source
- **Load Variations:** 3 different loads representing average, high and peak usage, determined by customer, up to 10Gbps

ONDEMAND ON SITE PACKAGED PERFORMANCE TEST SERVICES

SPIRENT OnDEMAND ON SITE TESTING

Spirent OnDEMAND Performance Testing is a suite of test services designed to detect and mitigate problems before you launch new infrastructure and applications. Through the use of proven, advanced techniques, a structured testing approach, and the full benefit of Spirent's broad array of test equipment, we eliminate the risks of poor performance for new or enhanced data centers, converged networks, multi-play solutions and applications.

OnDEMAND Performance Test Services include:

- Vendor selection: load and stress testing
- Scalability and volume testing
- Endurance and soak testing
- Security and Denial of Service testing
- Product performance evaluation
- Performance tuning

PROFESSIONAL SERVICES SOLUTIONS

Risk Mitigation:

- VoIP Assessment
- E-Commerce Web Performance
- Data Center Networking (DCN)
- WAN Optimization
- Security Assessment
- IPTV Performance
- CCTV over IP
- DMZ Architecture
- VPN Scalability and Performance
- Microburst Performance
- 3G/4G Wireless Performance

Maximizing Productivity:

- NoCode Lab and Test Automation Solutions
  - NoCode Physical Infrastructure
  - Nocode Environment
  - NoCode Test Case
  - NoCode Test Cycle
- Regression Testing:
  - Automated DSL
  - Cable
  - PON
  - IPTV
  - MPLS VPN
- UMA Test Automation

SERVICE DELIVERY PROCESS

The primary elements of Spirent's highly-acclaimed world class service delivery process are:

- **Discover:** Gather requirements; perform gap analysis
- **Define:** Create statement of work; present roadmap and resources, illustrate ROI
- **Develop:** Develop test cases; write scripts; develop code
- **Deliver:** Deploy test engineers; manage project; measure and report
- **Debrief:** Refine service optimization; assure customer needs, expectations are met

OUR CUSTOMERS

Spirent has been a pioneer since the advent of networking testing and has provided services to customers across a broad range of global industries. These varied business sectors include telecommunications and wireless service providers, network equipment manufacturers, petroleum, education, the media, financial institutions, and stock exchanges, technology enterprises and publishing giants. Spirent also services the US government which includes military and space agency projects.

SPIRENT EXPERTISE

Spirent provides services expertise for all major communications vendors. Our test methodology and automation experts include IETF engineers and RFC authors who have developed many of the industry's acclaimed benchmarks. They help define standards and performance tests for dozens of industry forums and standards bodies.

CONTACT US

Don't wait until your project has already begun, or worse, when you are behind schedule. Contact Spirent now and enlist our Professional Services team to streamline your project. Let our experts help you improve operational productivity and accelerate your time-to-market. Call your Spirent sales representative or visit us on the Web at www.spirent.com/GS.

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