“... Spirent is a great testing partner for IPTV solutions and support services. Together we put Cisco’s network design under a rigorous test routine.”
– EANTC

“Spirent’s Triple Play and IPTV testing solutions coupled with its professional services expertise make it an ideal partner ...”
– Alcatel-Lucent

“... Spirent continues to push the envelope in delivering testing solutions that enable our customers to validate Juniper’s high-performance network infrastructure.”
– Juniper Networks
Telecom equipment manufacturers, operators offering telecom services, and organizations managing enterprise networks face the increasingly difficult task of maintaining the networks of today while delivering on the promise of an exciting breed of next-generation services. Quality of Service (QoS) and Quality of Experience (QoE) measurements determine whether the networks of today and tomorrow are successful. Networks which fail to deliver new services or applications at the anticipated QoE will drive consumers to seek service elsewhere and businesses to put their trust in others.

Equipment manufacturers, service providers and enterprises are taking unnecessary risks when they test with solutions that fail to replicate realistic environments. The ability to emulate real network scenarios and traffic patterns is a critical part of the QoS and QoE assessment. An accurate test environment with the ability to generate performance, scale and enhanced realism ensures networks and devices are thoroughly validated and end users receive the highest possible QoE. This is the reality of today—and the standard to measure tomorrow’s networks.

**Is it Real or is it Spirent TestCenter™?**

Spirent TestCenter is the industry’s leader for delivering the realism necessary to measure the true impact on QoS and QoE. As legacy and next-generation protocols converge onto tomorrow’s unified, anywhere network—Spirent TestCenter’s realism, performance and user flexibility sets the standard with:

- The first multi-core processing architecture delivering the most affordable, highest-density test platform with stateful, line-rate multi-play scalability
- The only test platform capable of emulating real network topologies, allowing collapsing of complex physical topologies traditionally used to recreate real-world IP services
- Patented accuracy enabling highest multi-user scalability, delivering the most comprehensive set of Intelligent Results, ensuring expert analysis as a core competency of every user
- The largest suite of multi-protocol productivity wizards designed to quickly configure, emulate and measure the behavior and scalability of blended, L2-7 multi-play services
- An easy-to-use 4th generation visual programming environment with real-time, interactive results allowing tests not traditionally possible without complex programming knowledge
- An expert suite of on or offsite test services delivered by proven and advanced test engineers

From performance benchmarking, fault identification and analysis to regression testing via automation, Spirent TestCenter is the standard for testing tomorrow’s network today.
A New Standard in Real-World Network Testing and Analysis

Bringing Enhanced Realism to the Lab

Test devices in exactly the environment used in real networks with Spirent TestCenter’s Topology Emulation. This platform innovation leverages Spirent TestCenter’s patented software and firmware architecture to deliver the most realistic network and application testing over routing and MPLS. With Topology Emulation you can quickly generate stateful multi-play traffic over complex end-to-end converged networks with full protocol emulation on all devices. This enhanced realism simplifies test environments by providing capability that replaces unnecessary devices and enables tests not previously possible.

Realistic User Emulation

As networking devices and services become more application content aware, testing with actual user transactions and data flows is imperative. With Avalanche for Spirent TestCenter, millions of users can be emulated—enabling you to find the limits of security, applications and network infrastructures.

Realistic Traffic

QoS prioritization and queuing mechanisms are becoming more sophisticated. Spirent TestCenter’s traffic generator stresses your system with the high-priority constant rate and best effort bursty traffic needed to simulate real-time end-user traffic mixed with low priority data traffic. Complete QoS analysis is provided with support for real-time loss, advanced packet sequence tracking, latency, standards-based jitter and PRBS bit error measurements.

<table>
<thead>
<tr>
<th>VIDEO</th>
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<tr>
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</table>
Real-Time Expert Analysis

Intelligent Results
The industry's most accurate and comprehensive set of real-time results gives you the needed insight to eliminate customer found defects. But a test tool that delivers millions of individual metrics is not enough. Intelligent Results provides data correlation with hierarchical results—bringing important information to the user's attention and making drill down analysis simple for transmit and receive statistics.

Interesting Streams
Faster troubleshooting with real-time data mining allows you to create search criteria such as frame loss and rate latency, jitter or other combinations to filter stream results, showing you what you want, when you want it, in real time.

Real-Time Cause-Effect Analysis
Cause-and-effect triggers with action logic (If-Then-Else; Do-While) in Spirent TestCenter NoCode Command Sequencer helps you goal-seek specific device or system behaviors in one test iteration without a single line of programmed code.

HyperFilters™
Spirent TestCenter’s analyzer technology provides in-depth traffic analysis organized and filtered by user-selected protocol header fields. HyperFilters are ideal for creating unique scenarios for tracking QoS remarking and VLAN leakage.

Capture, Decode and Analyze Live Network Traffic
Line rate capture of live network traffic, targeted with triggers and filters, lets you see precisely where problems occur for in-depth offline analysis and troubleshooting.

Topology Emulation: The New Standard for Emulating Tomorrow’s Network

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<th>Our Competitors Traditional Approach</th>
<th>Spirent TestCenter The New Standard</th>
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<tr>
<td>Realism</td>
<td>Implementation requires a complex set of disparate systems to emulate realistic network behavior</td>
<td>Unified system simplifies implementation of emulating real network behavior</td>
</tr>
<tr>
<td>Simplicity</td>
<td>Multiple disparate test cases unable to test all subsystems simultaneously, thus missing defects caused by interaction</td>
<td>Single realistic test case exercises all subsystems together, catching more defects in less time</td>
</tr>
<tr>
<td>Coverage</td>
<td>Multiple device test beds too complex and cost prohibitive to scale</td>
<td>Single, cost effective test system to easily scale with powerful multiprotocol wizards</td>
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<tr>
<td>Scalability</td>
<td>Configure more, troubleshoot more, maintain more, with more power and space</td>
<td>Configure less, troubleshoot less, maintain less, with less space and power</td>
</tr>
</tbody>
</table>

Stress Device Under Test with real and dynamic protocol messages from complex network topologies
Spirent TestCenter Platform

Protect Your Investment Against Future Shock

Spirent TestCenter offers a flexible array of hardware and software components with the accuracy, performance and scalability required by service providers, network equipment manufacturers and enterprises at every phase of the testing life cycle. Spirent TestCenter’s platform incorporates the latest technology for today’s cutting-edge environment and beyond extending your return on investment further than any other test platform available.

Accuracy Backed by Patents

Spirent TestCenter’s patented timestamp architecture is designed to provide results that you can rely on—all of the time. Whether using the 12-slot rack-mountable or 2-slot portable chassis, both are backed by the same patented architecture that delivers the results you need.

All of the Results all of the Time

Spirent TestCenter’s highly optimized distributed results databases and multithreaded architecture allows users to get every detail of every stream, whether the test involves 4 ports or four hundred.

Maximize test system utilization

Spirent TestCenter is designed and tested for 72 distributed users who can simultaneously configure, run and analyze tests from a single test system.

Worlds Most Flexible, Scalable, Multi-User Test Platform

Setup or expand a globally-distributed, multiuser test tab. With Spirent TestCenter Lab Server, engineers can start a test remotely via the GUI or API, disconnect, and reconnect later to see the status and results. Multiple GUI users can remotely connect to a run-time session as an observer to monitor tests, debug scripts or learn a test. Spirent TestCenter LS is also useful within test case development environments where test operators need to work remotely with software engineering to write automated test cases.

Spirent TestCenter consumes 25% less power than our nearest competitor
40Gbe and 100Gbe Ready

Ethernet speeds of 40 and 100 gigabits per second are the future of high speed networks, but which test platforms have the ability to accurately test at these speeds? Spirent TestCenter was designed with the future of high speed networking in mind. One of the critical capabilities of network test equipment is its ability to accurately timestamp packets or frames, which is required for measuring latency and latency jitter. Spirent TestCenter's patented architecture gives you the confidence you need in your measurements, even at 40 and 100 gigabits per second.

9.6 Terabits in a single rack

The industry’s highest density, most power-efficient 10GbE test solution scaling to 9.6 terabits in a single rack.

Consumes 25% less power compared with its nearest competitor while delivering more performance and results per test!

Spirent No Drift

Spirent TestCenter’s patented timestamp clock automatically syncs and adjusts to provide latency measurements with nanosecond accuracy between ports, modules and chassis, regardless of operating temperature change and cable lengths.

By maintaining timestamp accuracy across multiple systems, labs are able to build stressful large-scale tests for validating the next generation of carrier-grade and data center performance.
Add Enhanced Realism to Your Testing

HyperMetrics CM
Converged Multi-Play

The industry’s highest performance Layer 2-7 network emulation with line rate application traffic performance on a single module

Traditional test module designs fix processing resources to specific ports. These one-dimensional architectures necessitate multiple hardware designs to achieve the usage goals of high-port scalability, virtual network emulation and high-capacity application traffic. HyperMetrics’ multi-dimensional architecture addresses these needs by allowing users the flexibility to allocate processing resources to match any performance need.

The HyperMetrics Converged Multi-Play 4- and 12-port GbE test modules combine Spirent TestCenter’s network emulation and traffic generation with line rate Avalanche application traffic to deliver the highest performance Layer 2-7 test solution available on a single module. The modules support line rate Layer 2-3 test traffic and Layer 4-7 traffic over 10/100/1000 Mbps Copper or Gigabit Ethernet SFP interfaces.
HyperMetrics CV
Converged

The industry’s most cost effective high performance Layer 2-7 test modules

The HyperMetrics Converged 2- and 8-port 10GbE test modules combine Spirent’s network emulation and application traffic with its industry-leading Layer 2-3 traffic generation and analysis to deliver the most cost effective Layer 2-7 high performance test solution available. The 8-port module provides the highest density and greenest 10GbE test solution on the market.

HyperMetrics AP
Application Performance

The industry’s “best in class” Layer 4-7 application traffic testing at up to 10GbE rates

Spirent TestCenter HyperMetrics Application Performance 8-port 1GbE and 2-port 10GbE test modules combine Spirent TestCenter’s network emulation and traffic generation with line rate Avalanche application traffic. These modules deliver the highest performance Layer 4-7, security and vulnerability assessment test solution in the industry.
Unified Software and Hardware Platform

Spirent TestCenter supports a comprehensive suite of productivity wizards and the physical interfaces you need to run them. Choose from a variety of 10/100Mb, 1GbE, 10GbE, ATM and SONET interfaces, and combine these with 40 easy-to-use wizards to get your test running quickly.

Ethernet

Series 1000, 2000 and HyperMetrics 1GbE
- 2, 4 and 12-port (10/100/1000Mb) Ethernet dual media modules
- 8-port 1GbE dual media Application Performance Module

Series 1000, 2000 and HyperMetrics 10GbE
- 2-ports of 10GbE with hot pluggable personality modules
- 2- or 8-port 10GbE SFP+ L2-7 modules
- 2-port 10GbE XFP Application Performance Modules (Layer 4-7)

Easy to Use Productivity Wizards

Configuration Wizards
- Traffic Wizard
- Create Hosts
- Create Routers

Enterprise Switching and Data Center Network Test Solutions

Switching
- FCoE

Test Wizards
- RFC 2544 Network Device Benchmarking Wizard
- RFC 2889 Switching Benchmarking Wizard
- RFC 3918 Test Package

Service Provider Access, Edge and Core Networking

Triple Play
- Video Quality Analyzer
- Triple Play - IPTV
- Application Layer Wizard

Access
- Access Over BGP VPLS
- Access Over LDP VPLS
- ANCP - Access Loop Generator
- Asymmetric Performance Test Package
- Access - DHCP-PD: Stability
- Access - DHCPv4: Stability
- Access - L2TPv2: Stability
- Access - PPPoX (IPv4): Stability
- Access - PPPoX (IPv6): Stability

Service Provider Access, Edge and Core Networking (cont’d)

MPLS and Routing
- BGP-Route Generator
- BGP-Route Table Import
- Multicast Routing Wizard
- ISIS - LSP Generator
- MPLS - LDP/6PE
- MPLS - Basic LDP
- MPLS - Basic RSVP-TE
- MPLS - BGP VPLS
- MPLS - LDP VPLS
- MPLS - MPLS IP VPN
- MPLS - Pseudowire Emulation (PWE)
- MVPN Rosen Draft 8
- RSVP-TE (P2P/P2MP)
- Sequence Flap
- Sequence Custom Test
- OSPFv2 - LSA Generator
- OSPFv3 - LSA Generator
- RIP - Route Generator
- Fast Reroute

Carrier Ethernet
- EDAM - MA/MEG Generator
- PBB PBT
**10GbE MSA Personality Modules**
- 10GbE Network interfaces

**POS**
- 1 or 2-ports of Series 2000 UniPHY/OC-192, OC-48/12/3 WAN and up to two OC-3/12 ATM interfaces per module using hot-pluggable network interfaces

**ATM**
- 1 or 2-ports of OC-12/3 ATM with hot-pluggable network interfaces

**POS/ATM Personality Modules**

**Select Wizard ...**

**... Configure ...**

**... Results.**
Enterprise Switching & Routing Test Solutions

The enterprise is in the midst of transformation as higher interface speeds ripple through workgroup and data center networks. Richer content is driving higher network bandwidth and more stringent traffic classification for proper QoS. This transformation is resulting in upgrades and expansion in the enterprise workgroup, campus/backbone and data centers around the world.

Enterprise Workgroup and Campus Connectivity

Spirent TestCenter easy-to-use, high-performance benchmarking accelerates testing of enterprise workgroup and campus/backbone solutions. Dozens of test wizards simplify test configuration and execution, while allowing advanced users to control the test they need. Wizards include:

- RFC 2544 Network Interconnect
- RFC 2889 Switch
- RFC 3918 Multicast
- MPLS and Routing
- Layer 4-7 Stateful traffic

Data Center Switching Test Solutions

Growth of rack and blade servers with 10 Gigabit Ethernet (10GbE) connectivity is rapidly evolving data centers and backbone enterprise networks around the world. The ten-times speed increase of 10GbE at the server, and the introduction of Fibre Channel over Ethernet technology (FCoE), make it possible to eliminate up to half of the interfaces connected to each server and cut costs by reducing space, power and cabling. This convergence of technologies requires changes to Ethernet to accommodate the nearly lossless and extremely low latency of storage solutions. Spirent TestCenter’s patented latency measurement architecture and comprehensive Intelligent Results provides the coverage you need for the latest network advancements.

- Spirent TestCenter industry’s first Fibre Channel over Ethernet (FCoE) Test Solution
- Stateful FCoE and Fibre Channel Initialization Protocol (FIP) emulation
- Data Center Ethernet (DCE) & Converged Enhanced Ethernet (CEE) Priority Flow Control (PFC) testing
- 10GbE line rate nano-second accurate latency and jitter per VLAN priority

One Test Yields all the Results

Throughput

Jitter

Latency

The Industry’s Most Trusted Platform for Public Performance Testing

256 ports of the industry’s most stable test platform with the scalability, density and flexibility to validate terabits of traffic.
Spirent TestCenter Virtual is a software module that resides on the virtual machine providing unsurpassed visibility into the entire data center infrastructure. It extends and complements the capabilities of Spirent TestCenter to accurately benchmark and optimize performance of virtual server switches and cloud-based virtualization. With Spirent TestCenter Virtual, network equipment vendors can for the first time:

- Conduct line rate layer 2-7 performance testing of virtual and physical network resources by emulating VLANs, multicast and FCoE traffic along with stateful application protocols
- Measure key layer 2 performance metrics such as throughput, frame loss and latency between virtual and physical network elements including network-to-VM, VM-to-network and VM-to-VM
- Deliver a unified testing architecture that ensures full compatibility with any Spirent TestCenter interface including the award-winning Spirent Hypermetrics for accurate, high performance FPGA hardware generated network traffic
Service Provider Access, Edge and Core Networking

Service Providers are faced with the challenge of lowering operational costs while supporting a rich portfolio of services for their customers. This need is driving consolidation of networks onto Carrier Ethernet and MPLS-based technologies that enable mobile and fixed line voice and data, residential video, and MPLS-based VPNs. These services rely on a highly-scalable, reliable and operationally efficient infrastructure capable of supporting high QoS and QoE (Quality of Experience) for end customers.

Whether validating access, edge or core networks, Spirent TestCenter assures that you meet these goals quickly and efficiently by providing a complete end-to-end testing solution driven from a single application.

- Dozens of scalable and easy-to-use wizards to set up realistic emulated networks
- Realistic Topology Emulation duplicates real networks in the lab and eliminates unnecessary equipment
- Easily set-up traffic that is automatically configured with dynamic IP and MAC addresses, MPLS labels and PPP session IDs
- Choose from thousands of fully automated pass/fail protocol verification and regression test cases with cataloged results for historical analysis

Residential Broadband

Testing the evolving DSL, PON and Cable access networks with Spirent TestCenter ensures that performance and scalability targets are met as new services are brought online. Spirent TestCenter offers a rich set of capabilities for access testing, including:

- Client and server protocol support for PPPoX, L2TPv2, DHCP and IP Multicast
- VLAN tags and priority bit settings to properly validate QoS capabilities
- Powerful DHCP and PPP option editors for custom options that are so critical for relay agent and BRAS/BNG testing

For converged network validation, Spirent TestCenter’s Topology Emulation is the only single-system solution available for realistic testing of multiplay services and control and data plane protocols over MPLS and routed networks. Using Topology Emulation, application traffic and access protocols over MPLS and routing can be emulated from a single test tool, bringing previously unachievable realism, simplicity and control to test labs.
Mobile Voice and Data Connectivity
Validate the QoS of mobile backhaul solutions that use Carrier Ethernet and MPLS with Spirent TestCenter’s industry leading generator/ analyzer.
- Mix constant rate traffic on the same port as bursty traffic to simulate real-world conditions stressful for queuing tests
- Immediate cause and effect analysis for each queue can be monitored in real time with over 40 per-stream metrics including packet jitter, latency, re-ordering and loss

Multiplay Services
Spirent TestCenter supports stateful voice, video and data traffic, and its Video Quality Analyzer (VQA) provides the industry’s most detailed analysis tools to detect and identify the cause of QoE issues.

Quality of Service and Quality of Experience
Testing for network device performance QoS and from the end-user’s perspective QoE is the only way for service providers to validate their infrastructure in the lab and before live network deployment. Spirent TestCenter has your QoS and QoE testing needs covered with a single test system.
Avalanche for Spirent TestCenter Scalable User Quality of Experience Testing

As networks increasingly rely on actual content and business transactions to make forwarding and other traffic policy decisions, it is imperative to understand how the network affects user transactions. To gain insight you must go beyond simple packet and state generation to recreate the complexities of actual user behavior.

Avalanche for Spirent Center is the most comprehensive and highest performance line-rate Layer 4-7 test solution available on the market today. Avalanche emulates today’s complex networks and applications to ensure that products and services will excel in a real-world environment by simulating error conditions, realistic user behavior, network attacks, and maintaining millions of open connections from distinct IP addresses.

Avalanche brings network, user and application realism to your test lab. Realism is at the core of the Avalanche architecture.

- Unparalleled user realism for Layer 4-7 traffic generation
- Provides advanced testing for content delivery devices, network security, triple play, multi-play and application services
- Scalable line-rate Layer 4-7 from 1Gbps to Multi 10Gbps testing capacities

**20 million simultaneous users**

**60 Gbps of Layer 4 traffic**

**Greater than 5 million unencrypted transactions per second**

**Greater than 1 million encrypted transactions per second**

**User Realism**

Avalanche emulates the behavior of millions of simultaneous real users for a multitude of applications from access to back-end business transaction and for stressing content delivery, streaming, voice and other services. The precision of Avalanche emulated users includes think times, click-aways, browser versions, SSL versions, authentication transactions interacting with static or dynamic websites, proxies, and content delivery devices.

- One-armed testing against real services such as web, streaming, application, content servers, and more
- Full client/server emulation capability provides self-contained layer 4-7 testing

**APPLICATIONS**

- Application and Web traffic
- User behavior
- Network functions
- Secure data & transactions
- Video & Voice
- Security

**APPLICATIONS**

**COMMUNITIES**

**CITIES**
The industry’s most realistic, highest performing application load tester

Security Realism
Avalanche provides extensive testing for secure network communication, vulnerability assessment and user authentication including IPSec, SSL VPN, 802.1x, Network Access Control (NAC), RADIUS and network attack/negative traffic testing.
- Test firewalls, IDS/IPS and complex deep packet inspection services
- Easily incorporate high volumes of encrypted traffic and transactions into advanced test methodologies
- Test firewalls, IDS/IPS and complex deep packet inspection services
- Easily incorporate high volumes of encrypted traffic and transactions into advanced test methodologies

Multiplay Realism
Use Avalanche to validate multiplay services from the user’s point of view with realistic voice, unicast, multicast and FLASH streaming video, data traffic using static or dynamic IP addresses (DHCP over PPPoE), VLAN and stacked VLANs (Q-in-Q). You can test in-line with production traffic or with complex blended transactions to create realistic user activity.
- Create and assess media services accuracy and capacities
- Create comprehensive user transactions from access through higher layer business applications

Network Realism
Avalanche generates traffic that replicates the intricacies of large networks, including the Internet. Avalanche does not fake or falsify TCP and other user behaviors, and is the only test solution that creates true living stateful traffic to find absolute real maximums under any load or network conditions.
This realistic traffic reflects a myriad of issues that affects accurate content delivery common to large networks such as:
- Blended protocols and transactions
- Packet loss and IP fragmentation
- Network attacks and vulnerabilities injection
- The vast range of network and application protocols

Complex Networks

Device Under Test
Spirent NoCode Test Case Automation

Legacy test tools restrict test cases to fixed stimuli and static topologies, failing to simulate the dynamic behavior of real networks. To overcome these boundaries, users create test scripts that introduce costly maintenance challenges. Spirent NoCode Test Case Automation is a suite of tools that allow you to author test cases more likely to yield significant results and uncover bugs.

Step 1. Author Powerful Test Cases
- Spirent TestCenter enables a unified, NoCode test case authoring environment
- Capture/replay any or many device configurations as part of a single test case

Spirent Device Commander
Spirent Device Commander captures device configurations and replays them as part of a Spirent TestCenter test sequence. Device setup, tear-down, statistics clearing and device control are simplified. Spirent Device Commander allows you to configure devices once within the capture tool and then edit, play back, or extend them with branching and looping logic. You can control and program devices during tests, automating test cases end-to-end without writing a single line of code.

Spirent TestCenter Integration Kit
Spirent’s TestCenter Integration Kit enables users with open system interfaces and development productivity tools to create their own NoCode Environments. Its open API interface is available in Tcl, C and Perl, supporting run-time on Windows, Solaris and Linux. With a fully documented API, this kit includes a set of visual development utilities: Script Explorer and Script Trace. These tools optimize the user learning curve and minimize troubleshooting time for custom-built test applications or system integrations.
Step 2. 
Emulate with Visual Programming
Add any protocol emulation and other environment stimulus with 250+ system commands and visual programming logic.

Step 3. Analyze with Real-Time Results
Add diagnostic steps to build robust test cases, enabling goal seeking with pass/fail verdict analysis performed with run-time results.

Regress
Save a complete system-integrated test and export it for scheduled regression testing. Exported as a native Tcl script, any NoCode test case may be executed on Linux, FreeBSD, Sun and Windows—without the Spirent TestCenter GUI.
### Enterprise Switching and Data Center Network Test Solutions

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<td>SPK-0004</td>
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### Service Provider and Service Provider NEM Access, Edge and Core Network Test Solutions

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<td>STP/RSTP/PVST+ Base Package A</td>
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<td>Call for more information Automated Conformance Test Suite Software Packages covering MPLS VPN, carrier Ethernet, access, unicast and multicast routing and Ethernet bridging</td>
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Spirent TestCenter
OnDemand

OnDemand Performance Testing

Performance problems in operational network systems and software applications are costly in terms of business disruption and remedial work. These issues often go undetected prior to launch due to the difficulty of conducting realistic performance testing.

Spirent TestCenter OnDemand is a suite of on or offsite test services delivered by proven and advanced engineers using the most complete test system available—Spirent TestCenter. These services are designed to identify and eliminate problems before you launch. Through the use of proven, advanced techniques—and a structured testing approach with Spirent TestCenter—we reduce the risks of performance failure for new or enhanced converged networks and applications.

OnDemand Test Services:
- Competitive load and stress testing
- Scalability and volume testing
- Endurance and soak testing
- Security and denial of service
- Product performance evaluation
- Performance tuning

OnDemand Test Packages:
- LAN, WAN infrastructures
- Web infrastructures
- Multi-tiered IP Services
- IT systems
- Data centers
- Triple Play
- VoIP

Test Results On Time, On Budget

Testing is instrumental in planning, deploying and maintaining a reliable and scalable IP Services network. Often, test practices and ineffective test methodologies fail to deliver within the project window, and when projects fall behind schedule, the test window may be compromised at the expense of quality. Protect your projects with OnDemand.

Since the advent of network testing, Spirent test engineers have helped hundreds of clients save thousands of hours in their testing, improving time-to-market and product quality. Leverage industry-certified test experts, packaged test plans, and a world-class service delivery process designed to deliver test results on time and on budget.

Global On-Site & Off-Site Options

Spirent’s well-established worldwide presence, in 27 countries, supports our customers’ on-site testing needs from five fully staffed global technical centers. If lab resources are scarce, consider testing off-site at one of Spirent’s SPoC (Spirent Proof of Concept) Labs located in Sunnyvale, Paris and Beijing. Spirent also offers a portable SPoC lab for customers with specific on-site requirements.

“Spirent Professional Services delivered everything we asked from them, and more. Based on their testing we were able to determine the optimal network design and save significant amounts of money. Most important, we knew that when we rolled out the new network, it would perform exactly as we had planned.”
—Delfine Goujon, Network Manager, Easynet
“... Spirent helps ensure that our FCoE solutions will maintain industry-leading latency and loss behaviors and maintain Fibre Channel-like integrity of data connectivity.”
– Brocade

“Spirent TestCenter will help us improve productivity by reducing the time to automate our complex multi-protocol tests. With the savings in time, we will be able to ensure even greater product quality.”
– Foundry Networks

“With Spirent TestCenter’s automation and rapid test set-up capabilities, we were able to successfully roll out the industry’s most robust and high-performance Application Delivery Controller ...”
– F5
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