Test the security, performance and scalability of your app-aware infrastructure
Test and Enforce Application Policies
Verify the accuracy of application detection engines and policies by testing with thousands of popular application profiles.
Evaluate the impact of security policies on application performance with intermixed signature and DDoS attacks.
Recreate production-level mixes of application traffic and test the effectiveness of application QoS policies.

Benchmark Performance and Capacity
Benchmark scalability and network capacity by simulating thousands (or hundreds of thousands) of real users on the network.
Run “what-if” scenarios and measure the performance impact of architecture or configuration changes.
Validate proof-of-concept designs by testing with realistic mixes of application traffic.

Validate Network Security
Verify the ability of the network device to detect and mitigate thousands of known and zero day attacks.
With CyberFlood fuzzing test the resiliency of network devices and deployed protocols by verifying the ability to deal with millions of unexpected and malicious inputs.
Test device capabilities to inspect traffic for malware, infected hosts, unwanted URLs and spam and take appropriate action.

NetSecOPEN tests Built-in
NetSecOPEN is a network security industry group where network security vendors, tool vendors, labs and enterprises collaborate to create open and transparent testing standards.

The Security and Application Challenge
The deployment of security application-infrastructure brings with it innovative capabilities for managing traffic, security and Quality-of-Service (QoS) policies. However, to accurately test application-aware infrastructures, it is critical to generate realistic packet payload that emulates actual application traffic on your network.

With many thousands of applications on the network and hundreds of new ones being released every day on millions of devices, QA, engineering and IT teams are struggling to quickly and effectively test, validate and roll-out their application-aware systems and networks.

The Solution: CyberFlood
CyberFlood is a powerful, easy-to-use test solution that generates realistic application traffic and attacks to test the performance, scalability and security of today’s application-aware network infrastructures.

Unlike other test solutions that use “fake” traffic with the same packet payload over and over again, CyberFlood provides 1G to 100 Gbps on a variety of platforms for stateful traffic testing with authentic, customizable payloads for realistic security, load, and functional testing.

In addition, CyberFlood keeps up to date with the latest Malware, DDoS and exploits to test the effectiveness of security operations.
Get started quickly by choosing a pre-built test template

Drag and drop traffic profiles into the player to easily customize tests

Thousands of the latest apps and attacks are at your fingertips via the continually updated Spirent TestCloud

Results are delivered in real-time in a customizable reporting interface

Plus, test for Zero Day attacks with built-in fuzzing capabilities

At-a-glance test grade reports showcase levels of Pass/Fail criteria for each new test run
Spirent CyberFlood

CyberFlood Available on Multiple Platforms

C1 Appliance - Portable bench level testing (10G/1G)
CF20 Appliance - Self-contained 1/10/40/100G testing
C100-S3 Appliance - High-end service provider/carrier grade performance
CyberFlood Virtual - Software based application and security testing framework for virtual and cloud environments

Security
Find and fix vulnerabilities quickly
CyberFlood includes thousands of attacks, malware and DDoS vectors, so you can test any mix of attacks and applications to ensure network security.
• Continually updated database of malicious content
• Validate security against thousands of attack profiles
• Test any mix of attacks and applications
• Shorten resolution time with smart remediation tools
• Virtually unlimited test cases with Advanced Fuzzing
• Thousands of up-to-date malware samples

Realism
Test your network, your traffic, your reality
CyberFlood includes the Spirent TestCloud™ for access to thousands of applications so you can generate traffic with authentic payloads for realistic security, load and functional testing.
• Create tests with the latest apps from the Spirent TestCloud
• Capture and replay your network application traffic
• Create custom tests for unique apps and protocols
• Test advanced HTTPS and TLS traffic at load with high-strength cyphers and certificates

Performance*
Extreme scale performance
CyberFlood is the world’s highest performing connection rate tester for HTTP, with more than 2x the current industry standard, giving you the power to push devices and networks to their limits.
• Stateful traffic generation from 1G to 100 Gbps rates
• >8.5M HTTP connections/second – the highest in the industry
• Realistic application packet payloads
• Over 170 million sustained connections per appliance

Agility
Test now, not months from now
The intuitive web-based CyberFlood UI makes it easy to design tests no matter what your experience level, so you can accelerate testing and complete projects more efficiently.
• Get started quickly with easy-to-use test methodologies
• Customize tests easily with the intuitive, browser-based UI
• Cloud-based content delivery
• Made for teams: share projects, tests, and results
• Cyber Range capabilities

* Performance only reflects C100-S3 capabilities

About Spirent Communications
Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.
Spirent’s customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information visit: www.spirent.com

Contact Us
For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent.

© 2019 Spirent Communications, Inc. All of the company names and/or brand names and/or product names and/or logos referred to in this document, in particular the name “Spirent” and its logo device, are either registered trademarks or trademarks pending registration in accordance with relevant national laws. All rights reserved.
Specifications subject to change without notice.

Americas 1-800-SPIRENT
+1-800-774-7368 | sales@spirent.com

Europe and the Middle East
+44 (0) 1293 767979 | emeainfo@spirent.com

Asia and the Pacific
+86-10-8518-2539 | salesasia@spirent.com

Rev F | 07/19