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

The app-aware challenge

The deployment of application-aware 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 app-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.

Run tests from your tablet!
Powerful simplicity—real apps, right now

1. Get started quickly by choosing a pre-built test template
2. Drag and drop traffic profiles into the player to easily customize tests
3. Thousands of the latest apps and attacks are at your fingertips via the continually updated Spirent TestCloud
4. Results are delivered in real-time in a customizable reporting interface
5. Plus, test for Zero Day attacks with built-in fuzzing capabilities
6. At-a-glance test grade reports showcase levels of Pass/Fail criteria for each new test run
Spirent services

Spirent Global Services provides a variety of professional services, support services and education services—all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services website at www.spirent.com or contact your Spirent sales representative.

Test any content-aware device:
- Application Servers
- Cloud and Virtual Network Testing
- Multi Play Services
- Network Attack Response
- Network Devices
- Network Security
- Web Applications

Spirent C100-S3

Security
Find and fix vulnerabilities quickly
Cyberflood includes thousands of attack profiles and vectors, so you can test any mix of attacks and applications to ensure network security.
- 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

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

Agility
Test now, not months from now
The intuitive 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