Spirent TestCloud™

Thousands of Up-to-Date Applications, Attacks, and Malware

With hundreds of thousands of applications already on the network, and hundreds of new applications being released everyday, challenges ensue. Many of these applications have multiple versions that are in use on the live network; variations include those based on the client device type (e.g., Android, iOS and Windows), and geographic regions (e.g., Skype in Asia versus Europe). As a result, test teams are struggling to quickly and effectively test their application-aware systems and networks.

Spirent TestCloud is a core component of CyberFlood, which enables the user to stay on top of this application explosion and easily re-create millions of sessions of real application traffic in the lab. Now the user can quickly test the application performance, detection and control capabilities of systems such as next-generation firewalls, UTM systems, and DPI engines.

Applications

Offering thousands of ready-to-run performance and security tests for a wide range of popular applications, including peer-to-peer (P2P), Business, Instant messaging (IM), Social Media, and thousands of known security attack templates, users can test:

- Policy Enforcement for QoS Application-aware systems, such as DPI engines, application firewalls, and mobile packet gateways.
- The effectiveness of DPI, IPS/IDS, ALG, UTM systems, evaluating their performance under real-world conditions, as well as the potential impact of security attacks on performance.
- Advanced NGFW and SD-WAN security inspection capabilities using SSL/SNI support.

Benefits

- **Accuracy:** Test with real user-generated traffic, as seen on your network, with detailed metadata that describes the user operation contained in each test for quick identification and resolution of issues prior to deployment.
- **Live Content:** Constantly updated with new applications, attacks, and malware scenarios so you can keep up with your dynamic environment.
- **Integration with CyberFlood:** Automatically downloaded so you are always up-to-date
- **Flexible:** Users can configure comprehensive application flows and define SNI header information which can be used to validate NGFW/IDS/IPS for inspecting and identifying encrypted traffic

Overview

With the deployment of application-aware systems such as application firewalls, Unified Threat Management (UTM) systems, and DPI engines, the network is becoming more intelligent at the application level. With this awareness, network elements' ability to implement intelligent traffic management, security and Quality-of-Service (QoS) policies that are tied to specific application and user characteristics need to be thoroughly validated.
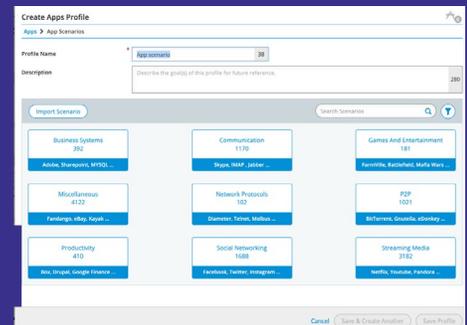
Key Features

Real-world traffic: When the application content is replayed, it replicates (with precision) real user-generated traffic as seen on the network. Detailed metadata is provided per application test that describes the user operation contained in that test, such as login, chat, search, and shared files, etc. These tests are created by capturing the interactions of real users on real devices as they use the relevant application.

SmartApps: The SmartApps editor allows users to edit real-world application scenarios and customize them according to the their requirements, while taking advantage of Spirent's performance-oriented load engine to emulate real-world application traffic.

Vast database: Users access the largest repository of application tests and known security attacks in the industry, including multiple versions of applications, such as Skype and multiple platforms, including iOS, Android, and Windows.

Up-to-date: TestCloud is constantly updated to support the most popular applications in use. Customer requests, as well as end-user trends, determine the list of new applications that are added to TestCloud by Spirent. In addition, our attack library is frequently updated with fresh content including zero day attacks.

Pre-defined mixes: Pre-configured sets of related applications per category are provided. The entire TestCloud is completely integrated with CyberFlood. Spirent TestCloud provides thousands of ready-to-run performance and security tests for a wide range of popular applications including peer-to-peer (P2P), Business, Instant messaging (IM), and Social Media. Examples of apps include BitTorrent, Jabber, Facebook, Twitter, WhatsApp, Office 365, Skype and many more. It also has thousands of known security attack and malware scenarios that can be used for testing.

TestCloud Content

Test Management UI   Test Execution Appliances   Device under Test
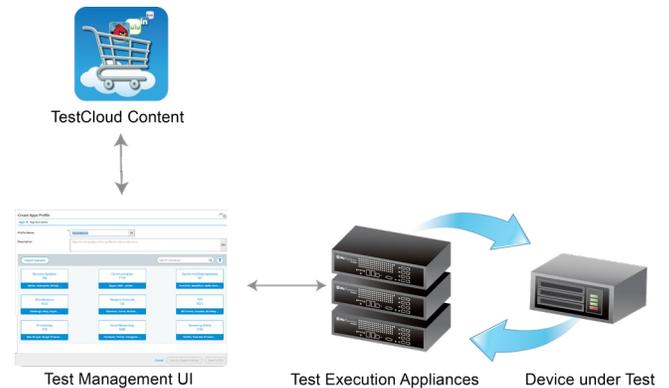
Ordering Information

Description	Part Number
CyberFlood Advanced Malware Content-1Yr	CF-C-ADVMALWARE-1Y
CyberFlood Attacks Content-1Yr	CF-C-ATTACKS-1Y
CyberFlood Standard Malware Content-1Yr	CF-C-MALWARE-1Y
CyberFlood TestCloud Apps Content-1Yr	CF-C-TESTCLOUD-1Y
CyberFlood CyberSiege Global IP Traffic Selector-1Yr	CF-SW-IANA-1YR

Other CyberFlood options are available for specific hardware platforms, please contact Spirent sales for more information.

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