

# SPIRENT STUDIO TESTCLOUD

## ONLINE STORE WITH THOUSANDS OF UP-TO-DATE APPS AND ATTACKS

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.

However, the challenge is hundreds of thousands of applications that are already on the network and hundreds of new ones are being released every day. 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, iPad and PC) 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 Studio TestCloud is a core component of Spirent Studio, 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 firewalls, UTM systems, and DPI engines.

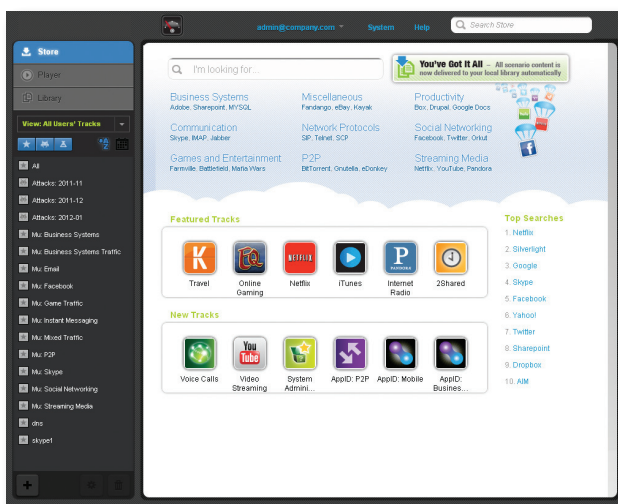
### APPLICATIONS

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

### 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
- **Breadth and Depth of Content:** The largest repository of application tests and known security attacks in the industry, including multiple versions and multiple platforms, so you know exactly what to expect in your environment
- **Live Content:** Constantly updated so you can keep up with your dynamic environment
- **Integration with Spirent Studio Performance:** To make the testing quicker and more intuitive



The TestCloud store contains thousands of application tests and security attacks

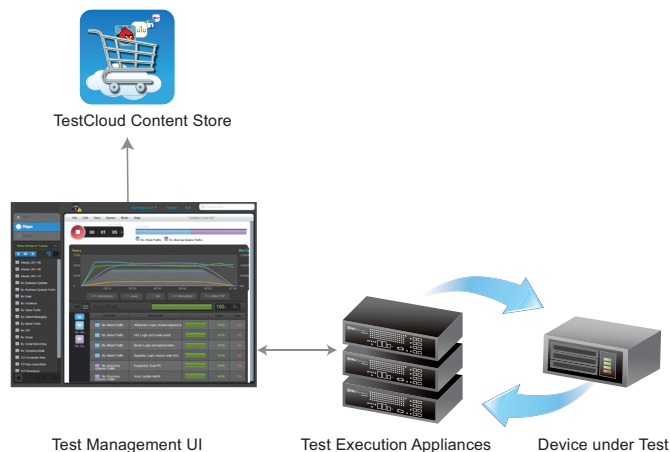
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#### ARCHITECTURE

Spirent Studio Performance is the industry's first performance testing solution designed for testing application-aware networks. The three main components of Spirent Studio Performance are:

- **TestCloud:** An application test store that provides thousands of ready-to-run test scenarios for a wide range of popular business and consumer applications
- **Test Management Server:** An application that enables the user to manage tests and results, as well as run multi-track application performance tests
- **Scale Appliances:** A hardware system that generates application traffic for performance testing. Multiple appliances can be stacked together in a single test and controlled from one UI to increase the load on the target



#### KEY FEATURES

- **Accuracy:** When the application content is replayed, it exactly replicates 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
- **Breadth and Depth of Content:** Users access the largest repository of application tests and known security attacks in the industry, including multiple versions of applications, such as Skype version 5.3.0.8 and 5.3.0 and multiple platforms, including iPad 2, iPhone 4, Android, and PC
- **Live Content:** The store is constantly updated to support the most popular applications. Customer requests, as well as end user trends, determine the list of new applications that are added to the store by Spirent
- **Pre-defined Tracks:** Pre-configured sets of related applications per category are provided. The entire store is completely integrated with Spirent Studio Performance. 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, AOL IM, Jabber, Facebook, Twitter, Skype and many more. It also has thousands of known security attack templates that can be used for testing

#### 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](http://www.spirent.com) or contact your Spirent sales representative.

Developed by  Mu Dynamics

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