



APPOSITE
TECHNOLOGIES

SessionStrike

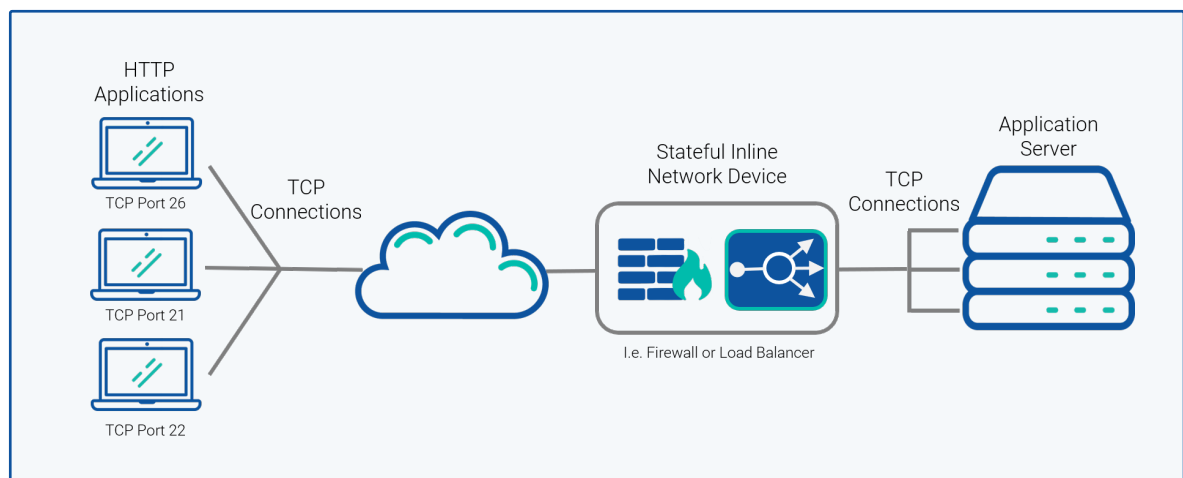
Benchmark the Session Holding Capabilities of Stateful Network Devices

OVERVIEW

SessionStrike assesses how fast a stateful network device can establish TCP and HTTP connections for comprehensive capacity and performance testing. By emulating clients and application servers at a very high scale, SessionStrike can create millions of TCP and HTTP connections to verify the session holding capabilities of devices.

Different stateful network devices have different capacities for the number of concurrent TCP connections due to finite memory. Unlike a switch or router, a firewall or load balancer caches TCP session state information in a session table and tracks it until the session ends. If a device cannot process all the traffic it receives, it will become a performance bottleneck or point of failure on the network.

SessionStrike helps verify application and network failure points and determines how fast a stateful network device can establish TCP connections for comprehensive capacity and performance testing.



BENEFITS

- Benchmark the session level performance of application servers, load balances, nextgen firewalls, and other stateful devices
- Determine the peak load a network and device can handle for proper capacity planning
- Avoid server or device failures from spikes in usage from date specific events like holiday shopping, sales promotions, or other surges in usage

FEATURES

- Emulate clients and servers to test firewalls and load balancers
- Emulate clients to directly test real application servers
- SessionStrike Can Be Used to Test:
 - TCP Connection Capacity
 - Maximum TCP Connection Establishment Rate
 - Maximum TCP Connection Tear Down Rate
 - HTTP transfer rate
 - Maximum HTTP Transaction Rate
 - HTTP Transfer Rate
 - HTTP capacity with HTTP persistent connections
- Supported HTTP actions: GET, PUT, POST, HEAD, OPTIONS
- Statistics include:
 - TCP setup (SYN/SYN-ACK/ACK).
 - TCP timeout
 - TCP Tear Down (RST/ FYN-ACK)
 - HTTP session requests sent and successful
 - HTTP requests error condition including session timeouts, rejected connections and conditions

SessionStrike is available on high performance appliances and virtual machines. Configure tests with ease on the feature-rich, browser-based GUI or with our comprehensive RESTful API for increased automation. Run multiple tests at once and keep them running in the background, collaborate with your team, and easily connect and perform tests from anywhere.

AVIZENT
Network Solutions

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