

SPIRENT AVALANCHE

L4-7 TESTING

CIFS (COMMON INTERNET FILE SYSTEM) TESTING

CIFS is a widely used file access protocol for content and device sharing across networks. As a protocol used for the distribution of content either locally or across WAN links it is imperative to understand the performance impact and accuracy of CIFS in actual application.

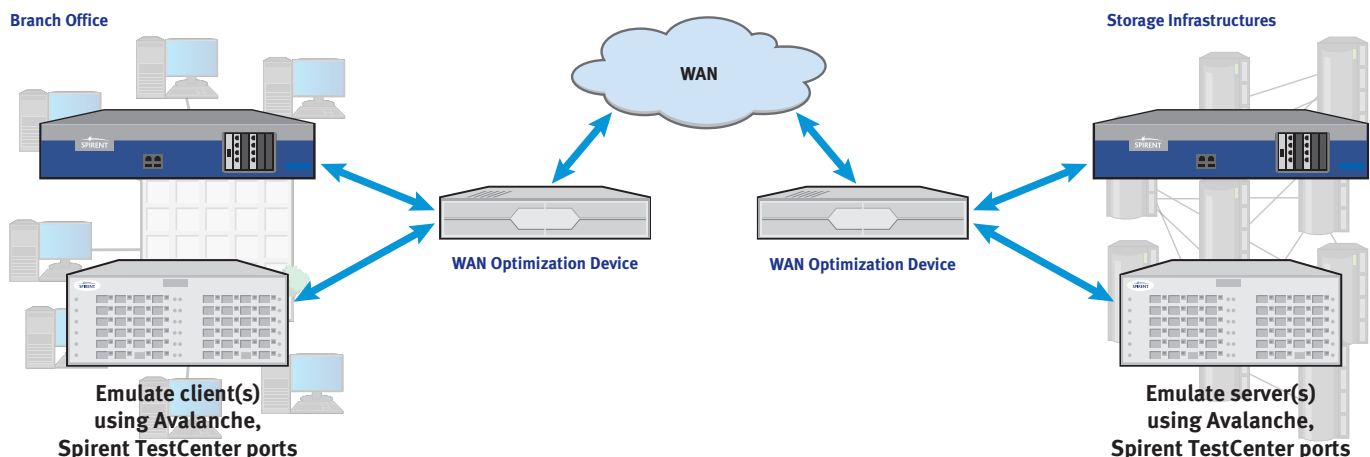
In a typical large enterprise network CIFS services may be residing in remote locations where the data needs to be transferred efficiently across WAN links. At these distribution points WAN links can either have distributed file systems or WAN acceleration devices. Since a bottleneck can occur at the network or the file system each point must be tested to ensure access and efficiencies. Spirent's Avalanche™ provides the most comprehensive CIFS testing capability which emulate multiple clients accessing files on the CIFS server; the server can be a real CIFS server or cluster of servers and/or emulated by the Avalanche itself.

APPLICATIONS

- WAN Acceleration/Optimization devices performance testing
- Storage Area Network and Network Area Storage capacity testing
- Application Security devices policy testing
- Test CIFS in the cloud with Avalanche Virtual

BENEFITS

- Avalanche emulates both CIFS client and server to offer a cost-effective system that provides a complete solution for simulating large infrastructures, thereby ensuring smooth roll-outs during large-scale deployments
- Randomization of data and files during CIFS Write and Read Operations is a unique feature added specifically to test the byte and object caching in WAN optimization devices
- Unique Traffic Mix and Realism offer unparalleled support for a wide variety of protocols with which users can send a mix of traffic—both malicious and good, along with CIFS on the same physical port thereby generating high volumes of realistic user requests
- Extensive and Flexible reporting provide both real-time and post-test results for critical variables like bandwidth, latency, concurrent users, sessions per second and transaction totals



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TECHNICAL SPECIFICATIONS

- NTLM 1.2 dialect used commonly by the Windows® operating systems
- Authentication—NTLMv1, NTLMv2 and Kerberos
- File operations—queries (TRANS2), read, write, create, copy, close, delete, move, rename
- Supports SMB2
- Directory creation, browsing, deletion
- Support for reading and writing large files
- Support for Oplocks
- Batched requests
- Unicode support

SUPPORTED MODULES & PLATFORMS

- Spirent C100 Appliance
- Spirent C1 Appliance
- Spirent CM and mX modules
- Spirent Avalanche Virtual

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.

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