ALPS

L4-7 l application and security testing software

As a professional provide r of L47 layer testing solutions , Xinretel has launched a new generation of L4 - 7 testing software platform ALPS based on Web- oriented PCT architecture , which can meet the current application and security testing scenarios needs of the majority of network security equipment manufact urers (including firewalls, IPS/ IDS , WAF , SLB , DPI , etc .) , telecom operators, and various research institutions . ALPS new platform in The usability, functionality, and scalability have been greatly improved.

ALPS can simulate data, voice, and real users behavior, accurately emulating millions of real end-user and network behaviors. It can conduct stress and performance testing for individual application layer-aware devices (such as Firewall/IPS/IDS/WAF/DPI, etc.) or entire systems. It can simulate a large amount of real attack traffic and malicious virus traffic , verifying and testing the detection and defense capabilities of network security devices and systems against attacks and viruses, providing important performance and effectiveness evaluations for security testing.

Key features

- Support network security device performance and capacity testing Including firewalls, load balancers, WAFs, URL filters, antivirus, anti spyware, HTTP/HTTPS accelerators, WAN accelerators, IDS/IPS, and IPsec VPN gateways, etc
- Support application server performance testing Including web servers, mail servers, DHCP services, FTP servers, DNS servers, RTSP/RTP QuickTime streaming servers, multicast servers, etc
- Support network security testing: support simulation of attack traffic, virus and malware.

Multiple application protocol emulation

HTTP/HTTPS/DNS/FTP protocols, private, non-standard protocols (capture and playback)

Associated Flows

Weight According to:　○ Bandwidth　● Flows

Name	Weight	Sessions	Bandwidth(%)	Flows(%)	Bytes	Enable Impairment	Action
Default HTTP2 Flow	100	1	26.95	16.67	625	●	Edit　Delete
Default HTTP Flow	100	1	14.32	16.67	332	●	Edit　Delete
Default FTP Active Mode Flow	100	4	33.12	16.67	768	●	Edit　Delete
Default SFTP Flow	100	1	5.17	16.67	120	●	Edit　Delete
Default NTP + DNS Flow	100	2	6.12	16.66	142	●	Edit　Delete
Default HTTPS Flow	100	1	14.32	16.66	332	●	Edit　Delete

Real User simulation

- Real, multi-protocol traffic models
- application mix and bandwidth control
- L4-7 stateful application traffic emulation

Delay Start

Duration:

| 0 | Hour | 0 | Minute | 0 | Second |

Ramp Up

Behavior:　[Full Open + Data + Close with RST ⌄]　　Duration: