



SPIRENT AVALANCHE

DHCP TESTING

POWERFUL DHCP CAPABILITIES FOR ADVANCED LAYER 4-7 TESTING

DHCP has long been used to automatically assign IP addresses to devices connecting to Corporate and Service Provider networks. DHCP services are under constant stress with users and devices connecting and disconnections. During Busy hours this stress can overwhelm edge resources that are responsible for managing DHCP services that can disrupt user network and application access

APPLICATIONS

DHCP is a communications protocol that lets you automate the assignment of IP addresses in a network, as well as other networking parameters, such as DNS, static routes, and so on. It allows you to assign IP addresses from a central point and automatically reassign a new IP address when a computer is moved within the network, for example.

- Test the capacity and performance of DHCP services
- Find the failure point of DHCP services under busy time user modeling
- Add DHCP as the host IP for all follow on traffic and transaction within a test
- Test DHCP polices such as lease timers
- Test DHCP relay processes

FEATURES & BENEFITS

- Test DHCP resolution at extreme scale, capacity and performance on 100M to 40G Ethernet interfaces
- Easily add DHCP to any test with a simple command to save time and utilize this capability in your existing tests
- DHCP features are compatible with all Avalanche automation services for ongoing automated testing
- DHCP Parameters can be applied with variables to allow for a myriad of specify and corner test cases specific to your needs and environment

REQUIREMENTS

Requires Avalanche Base I4-7 software

Requires the optional DHCP software license

TECHNICAL SPECIFICATIONS

Provides support for DHCP stand alone or DHCP wither other L4-7 traffic IPv4 Addressing Settings for:

- Discover
- Request
- Release
- GetIP
- Renew
- Set timeout values for IP lease options
- Set vendor ID (ID 60)
- DHCP Relay Support
- Support for DHCPRLYS1 and DHCPRLYS2
- Option Code Discover for: 1 Subnet mask, 3 Router (gateway IP address), 6 DNS servers, 12 Hostname, 15 Domain, 28 Broadcast address, 33 Static routes, 42 NTP server, 72 Web server, 120 SIP server
- Full suite of DHCP statistics so you can easily pin point performance, latency and other key metrics

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SYSTEM REQUIREMENTS

- Compatible with Avalanche Commander on C1 and C100 Appliances
- Compatible with Avalanche Spirent Test Center mX 10G and 40g Modules
- Compatibility with Avalanche Virtual

ORDERING INFORMATION

Please contact you Sprient Sales representative for more information

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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