spirent™
Promise. Assured.

Spirent **TestCenter**™

High-Level Test Application Programming Interface (HLTAPI)

Spirent's implementation of HLTAPI is a higher-level programmatic interface for Tcl, Perl, and Python users of the Spirent TestCenter application and associated hardware. Consisting of approximately 140 commands, HLTAPI can be used to automate Spirent TestCenter quickly and efficiently.

Benefits

- Accelerates scripting by providing a higher-level interface

- Compresses scripts to fewer lines of code compared to the native API

- Makes coding more maintainable through a consistent paradigm

- Enables code re-use

Features

- Provides access to all key areas of Spirent TestCenter:

  - Traffic
  - Routing
  - Access
  - MPLS
  - VPNs
  - Results

- Includes over 60 sample scripts

- Updated regularly, approximately three times per year, in conjunction with Spirent TestCenter major software releases

- Mix and match HLTAPI code with native API code in the same script

- Fully documented

Spirent's HLTAPI implementation is available to all Spirent customers for use with Spirent TestCenter.

Target Environments

Spirent's HLTAPI implementation is suitable for the following environments:

- Red Hat Linux 8
- Red Hat Enterprise Linux 3
- Windows 7 Professional 32-bit/64-bit
- Windows Server 2008 R2 Enterprise
- Windows Server 2008 R2 Standard
- Tcl/Tk 8.4.20
- Perl 5.8.8
- Python 2.7

Spirent's HLTAPI implementation is tested against a representative set of Spirent hardware.

A more detailed list of features is listed below:

- Session control
- Traffic configuration
- Test configuration
- Test control
- Captire
- 40G/100G port support
- BGPv4, BGPv6
- DHCPv4, DHCPv6, DHCP-PD

About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

Ordering Information	
Description	**Part number**
Spirent TestCenter HLTAPI Base Package A	BPK-1010A
Spirent's HLTAPI implementation is currently no charge, and is available for download from the Customer Service Center.	

- STP
- IGMPv1, IGMPv2, IGMPv3
- IS-IS IPv4, IS-IS IPv6
- LDP IPv4
- MLDv1, MLDv2
- Multicast groups
- OSPFv2, OSPFv3
- OSPF Topology
- Ping
- PIM
- PPPoX/IPv4, PPPoX server, PPP
- RIPv1, RIPv2, RIPng
- RSVP IPv4
- Route flapping for BGP, IS-IS, OSPF, RIP
- Graceful restart for BGP, IS-IS, LDP, OSPF, RSVP
- BFD
- L2TP
- GRE for RSVP, BGP, LDP, OSPF, PIM, RIP
- ATM for BGP, ISIS, OSPF, PPPoX, PPPox server , RIP, ANCP, L2TP, DHCP, DHCP Server

- Ethernet OAM
- Ethernet EFM
- L2/L3 VPN
- MPLS over GRE
- MVPN
- ANCP
- RFC2544, RFC3918
- LACP
- SIP
- Alarms
- FCOE/FIP, FC
- LLDP
- PTP
- Lab Server mode
- 802.1x
- MPLS-TP
- CFM PDUs Capture Filters.
- Configure multiple protocols on the same device, including RSVP/IGMP/LDP/RIP/OSPF/ISIS/BGP

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Contact Us

For more information, call your Spirent sales representative or visit us on the web at www.spirent.com/ContactSpirent

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