



Veryx ATTEST™ Layer 3 - IPv4 Unicast Functional Test Suite DATASHEET

Veryx ATTEST™-XP Layer 3 IPv4 Unicast Functional Test Suite is a feature-rich automated software testing solution for functional verification of IPv4 protocols in Fast Ethernet and Gigabit Ethernet Switches.

QUICK FUNCTIONAL ETHERNET SWITCH TESTING

Veryx ATTEST-XP Layer 3 IPv4 Unicast Functional Test Suite is based on Veryx ATTEST, a powerful framework that makes testing and debugging faster and easier.

Veryx ATTEST-XP Layer 3 IPv4 Unicast Functional Test Suite performs functional testing of switches supporting IPv4, OSPF2, RIPv2, and VRRP. It consists of 105 functionality tests covering key areas such as:

- Valid/Invalid PDU Handling
- Topology change and Route propagation
- ICMP Error message generation and response
- Dynamic Routes (OSPF, RIP) and Static Routes, route redistribution
- OSPF ABR, ASBR, NSSA-ASBR
- Multi-access links, Virtual links
- RIP – Split horizon, Poison reverse
- VRRP – Master, Backup routers
- Compatibility / multi version interoperability

The test cases execute in an automated manner in ATTEST - a powerful test framework that requires minimal time for set-up and enables efficient use of time and resources.

PROTOCOLS VERIFIED

- IPv4 (RFC 791, 792)
- OSPFv2 (RFC 2328, RFC 1587)
- RIPv2 (RFC 1058, 1723, 2453)
- VRRP (RFC 2338)

Related Veryx ATTEST Products:

Functional Test Suites

- * ATTEST-XP Layer 3 IPv6 Unicast
- * ATTEST-XP Layer 2
- * ATTEST-XP Enterprise Security
- * ATTEST-XP Carrier Ethernet

Conformance Test Suites

- * Layer 2: RSTP, MSTP, VLAN, IGMP Snooping etc.
- * Layer 3: IPv4, OSPF, PIM, IPv6, BFD-MPLS etc.

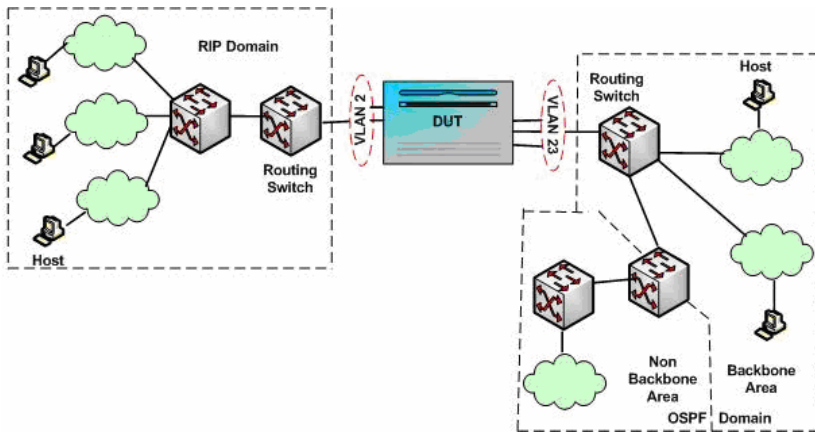


Figure 1. A Sample Multiple IGP-based IPv4 Test Topology

Contact us for Demo or Evaluation



About Veryx Technologies

Veryx Technologies (formerly Net-O₂ Technologies) provides innovative Verification and Measurement Solutions for the global communications industry. ATTEST solutions verify networking equipment being used for Access, Carrier Ethernet, Data Center, Edge, Enterprise, Industrial and Security. The unique offerings from Veryx enable customers to reduce the "time-required-to-test" and enhance their "time-to-market".

Veryx ATTEST™ is the trademark of Veryx Technologies. All other trademarks of respective owners are acknowledged.

