



Veryx ATTEST™ 6PE Conformance Test Suite DATASHEET

Veryx ATTEST™-CTS 6PE (IPv6 Provider Edge) automated test suite provides Equipment Manufacturers and Service Providers an easy and efficient solution for verification of IPv6 Provider Edge implementation in Metro Ethernet switches. ATTEST enables significant speeding up of testing cycles and reduces the "time-to-market".

Veryx ATTEST 6PE Conformance Test Suite is designed for conformance testing of the 6PE in IPv6 networks. ATTEST 6PE relies on ATTEST -- a powerful test framework that requires minimal time for set-up and enables efficient use of time and resources.

Veryx has devised over 31 test cases that comprehensively test for 6PE conformance. These test cases have been grouped into 3 convenient test groups based on the RFC specifications for each category of functions.

ATTEST 6PE test cases verify the capabilities of 6PE routers along with the distribution of IPv6 reachability information by the 6PE routers. It also verifies the MP BGP packets of the 6PE router.

SPECIFICATIONS

IETF RFC 4798

6PE TESTS

- * Router Capability
- * Router Distribution
- * Packet Generation

PLATFORM REQUIREMENTS

- * ATTEST 6.x Framework
- * 3 Ethernet ports
- * Serial or additional Ethernet port for DUT management

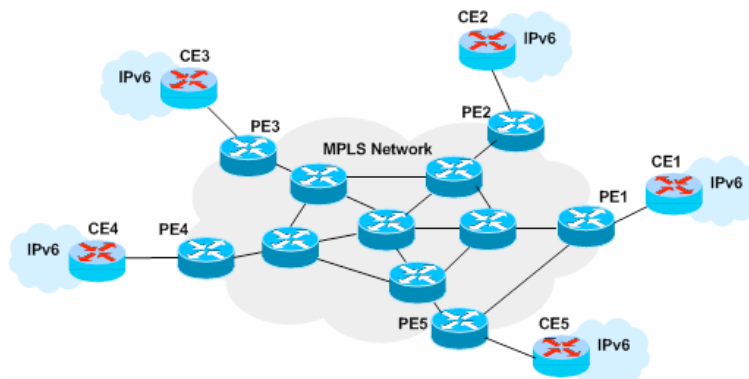


Figure 1. Typical Metro Ethernet deployment – IPv6 data tunneled over IPv4 network

ATTEST-CTS 6PE Conformance Test Suite is written in industry standard Tcl scripts. Well-defined APIs and source files provide the flexibility to add, customize or modify the test cases for specific requirements.

Together with other ATTEST-CTS and ATTEST-XP test suites for IPv6 protocols, Veryx provides one of the widest ranges of test suites for verification of IPv6. Test suites for IPv4, Layer-2 bridging and Carrier Ethernet are also available.

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".

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