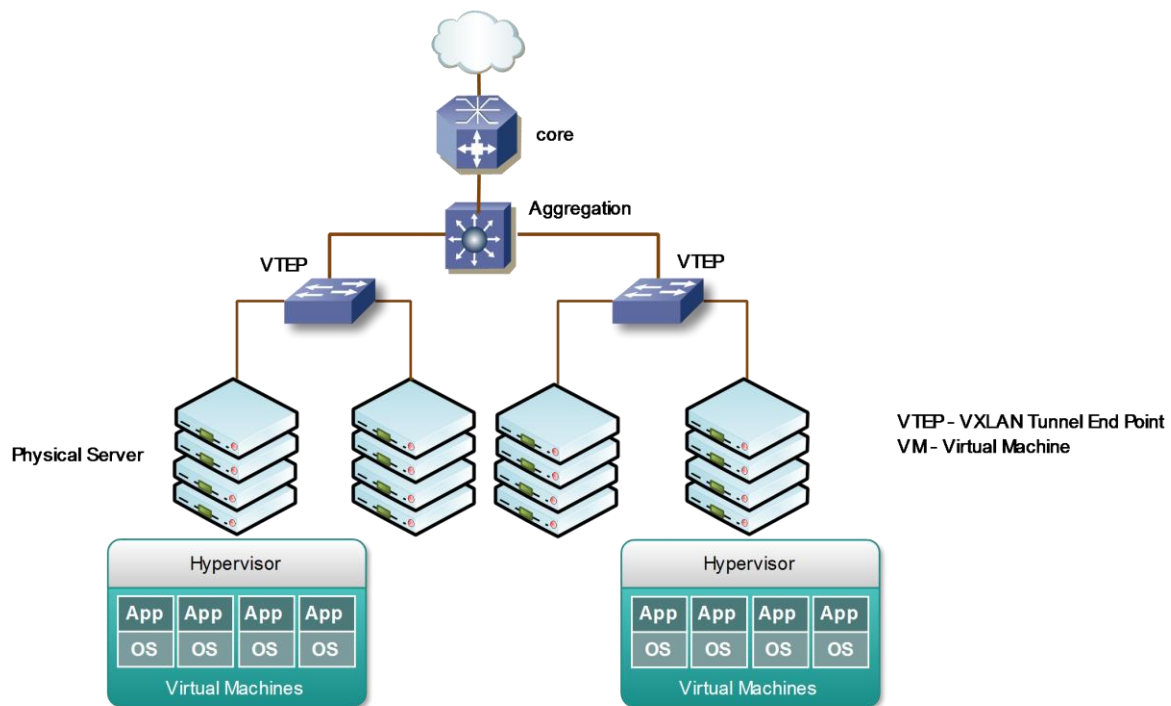# Veryx ATTEST™ VXLAN Conformance Test Solution DATASHEET

Veryx ATTEST™ Conformance Test Solution (CTS) Virtual Extensible LAN (VXLAN) is ideal for data center equipment manufacturers who desire an easy and efficient solution for verification of **VXLAN** implementation in their VXLAN tunnel end-points (VTEP) deployable in data center network. **VXLAN** allows creating a logical network for virtual machines across different networks. (i.e., a layer 2 network is created on top of layer 3.) **VXLAN** does this through encapsulation.

Veryx has defined test cases that comprehensively test for VXLAN conformance. These test cases are grouped into convenient test groups for each category of functions.

Sample Data Center Topology

HIGHLIGHTS

- Verifies VXLAN implementations – VTEP
- Validates mapping table population, multicasting, encapsulation and de-capsulation of frames

BENEFITS

- Enables significant speeding up of testing cycles and reduces the "time-to-market"
- Test suites written in industry standard TCL scripts. Well defined APIs provide the flexibility to customize the test cases for specific requirements
- Built in Automation and Reporting Capabilities

SPECIFICATIONS

★ draft-mahalingam-dutt-dcops-vxlan-03
★ draft-ietf-nvo3-framework-02

KEY TESTS

★ Encapsulation and De-capsulation
★ Multicast Addressing
★ Unicast, multicast and broadcast communication between VMs
★ Mapping Table
★ Management
★ Frame format

VXLAN (Total test cases – 39)

- Frame format verification
- Multicast addressing verification
- Static mapping table verification

- VXLAN encapsulation and de-capsulation verification
- Packet Handling verification

Veryx ATTEST VXLAN is designed for conformance testing of VXLAN functions in data center network equipment.

ATTEST Test Suites are 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.

Veryx ATTEST VXLAN test solution relies on ATTEST – a powerful test framework that requires minimal time for set-up and enables efficient use of time and resources

Veryx ATTEST Framework helps customers to easily integrate device under test for automation – using CLI / SNMP (v1 / v2 / v3). It also provides a standard interface to integrate with home-grown automation systems.

For more information, kindly visit our website or contact us.

ORDERING INFORMATION

PRODUCT	PART NUMBER
VXLAN Conformance Test Solution	CTS-VXLAN-B

Email : info@veryxtech.com

Web : www.veryxtech.com

USA : +1 267 440 0140

International : +44-203-371-8691