For Equipment Vendors

Description

Automated Solutions For Testing Network Equipment
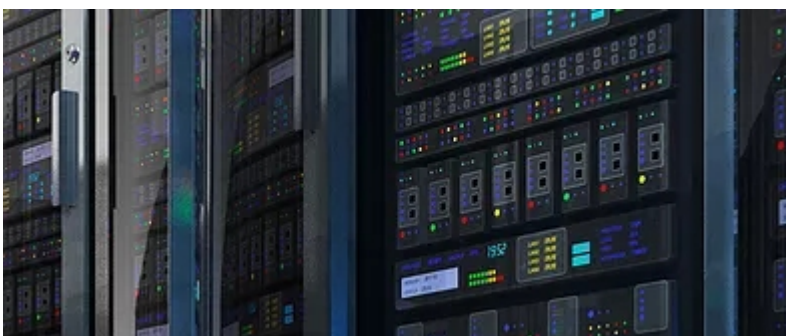
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For Equipment Vendors

Equipment Vendors

Network Equipment Manufacturers (Nems) Need To Implement Test Procedures To Validate And Verify Their Products Before Deployment, As An Ongoing Activity.

Veryx Attest Conformance And Functional Test Suites Address The Requirements Of Nems In An Efficient Manner, Even As Newer Standards Are Being Adopted. Attest Test Suites Support Testing Of Time Sync, Carrier Ethernet, Ipv4, Ipv6 And Layer 2.
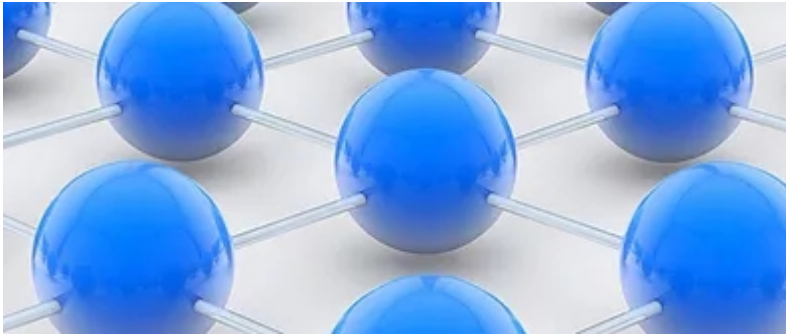
Veryx Samtest Enables Quick Testing Of Networks For Standards Like Mef 3.0, Y.1564, Rfc 2544 Etc.

Leading Network Equipment Manufacturers Use Veryx Test Solutions To Ensure Functionality And Conformance To Industry Standards.

Enterprise It Networks

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Access, Edge And Transport Networks

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Industrial And Iot Networks

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Enterprise It Networks

Automated Solutions For Testing Enterprise It Network Equipment

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Enterprise Network Infrastructure Comprise Of Physical And Virtual Networks That Enable Users And Systems To Connect To Applications On-Premise, In The Data Center And Cloud.⦿

⦿Veryx Attest Conformance And Functional Test Suites Address The Testing Requirements Of Network Infrastructure Vendors Who Are Developing Switching And Routing Products For Enterprise It, Enabling

Them To Easily Ensure Product Quality And Reduce Time-To-Market.

Feature	Test Solution
Layer-2	**Veryx ATTEST test suites for:** STP, RSTP, MSTP, MVRP, VLAN, LACP, LLDP, IGMP Snooping
IPv4	**Veryx ATTEST test suites for:** IPv4, DHCP, IGMP, BFD, RIP, OSPF, BGP, SISI, PIM-SM/DM, NAT, IPSEC, IKE
IPv6	**Veryx ATTEST test suites for:** BGP+, IPv6, RIPng, ISISv6, OSPFv3, PIM-SMv6/DMv6

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Access, Edge And Transport Networks

Verification Of Functionality And Performance Of Network Access, Edge And Transport Equipment Using Veryx Attest

With Increasing Demand For High-Speed Data Service, Both In Fixed And Mobile Networks, Equipment Vendors And Carriers Are Enhancing Network Access And Transport Infrastructure To Meet These Demands. Carrier Ethernet And Ip Are The Predominant Technologies That Are Being Deployed.

Veryx Provides A Unique Range Of Specialized Products To Meet The Testing Requirements Of Network Access, Edge And

Transport Equipment Manufacturers And Complementing Professional Services To Ensure Product Quality And Reduce Time-To-Market.

Feature	Test Solution
Timing & Synchronization	Veryx ATTEST test suites for: PTP– IEEE 1588
MPLS-TP	Veryx ATTEST test suites for: MPLS-TP Data Plane, MPLS-TP-DCN, G.8113.1 OAM
MPLS	Veryx ATTEST test suites for: BFD for MPLS, LDP-MPLS
Layer-2	Veryx ATTEST test suites for: STP, RSTP, MSTP, MVRP, VLAN, LACP, LLDP, IGMP Snooping
IPv4	Veryx ATTEST test suites for: IPv4, DHCP, IGMP, RIP, OSPF, BGP, ISIS, PIM-SM/DM

| IPv6 | Veryx ATTEST test suites for: BGP+, IPv6, ISISv6, OSPFv3, PIM-SM/DMv6, RIPng |

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Industrial & Iot Networks

Automated Solutions For Industrial And Iot Networking

Industrial Environments And Iot Have Been Standardized With Ip And Ethernet-Based Networks. Though The Communication Protocols Used Are Predominantly The Same As The Ones Used In Enterprise Networks, There Are Redundancy Protocols Such As Mrp, Prp And Industrial Protocols Such As Modbus/ Tcp, Ethernet/ Ip And Iec 61850 That Are Specific To Industrial Networks.
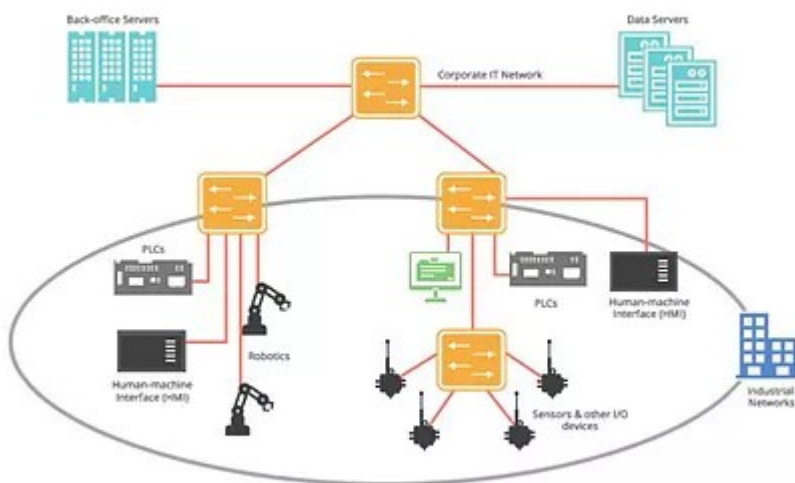

Figure 1 : Example of Industrial Ethernet Network

Veryx Provides A Unique Range Of Specialized Products To Meet The Test Requirements Of The Industrial Network Equipment Manufacturers And Complementing Professional Services To Ensure The Quality Of Their Products And Reduce The Time-To-Market.

Veryx Products Offerings

As Network Equipment Manufacturers Continue To Develop Products Using Open Platforms And Third-Party Software, The Availability Of Veryx Automated Functional Tests For Verifying Industrial

Networking Protocols, Provides The Advantage Of Reduced Testing Time And Shorter Time-To-Market With Enhanced Quality.▯

▯Veryx Attest Industrial Ethernet Test Suites Provide Conformance And Functional Verification For Protocols Such As Mrp Media Redundancy Protocol (Mrp) And Parallel Redundancy Protocol (Prp) As Defined By Iec 62439.▯

▯Attest Ipv4 Test Suites Provide Conformance And Functional Verification For Features Such As Ipv4 Forwarding, Addressing (Dhcp) And Unicast Routing (Bgp, Rip, Ospf, Isis) And Multicast (Igmp, Pim-Dm, Pim-Sm).▯

▯Attest Ipv6 Test Suites Provide Conformance And Functional Verification For Features Such As Ipv6 Forwarding And Tunneling, Unicast Routing (Bgp+, Ripng, Ospfv3, Isisv6) And Multicast (Mld, Pim-Dmv6, Pim-Smv6).▯

▯Attest Layer 2 Test Suites Provide Conformance And Functional Verification For Features Such As Spanning Tree (Stp, Rstp, And Mstp), Vlan And Link Aggregation.

Timing & Synchronization	PTP
L2/ L3 Switching	VLAN, GVRP, MVRP, MMRP, MPLS-TP Data Plane, MPLS-TP-DCN, G.8113.1 OAM▯
Security	802.1X, NAT, IKEv1, IKEv2, IPSec
Diagnostics	IPv4, IPv6, RIP, RIPng, OSPF, OSPFv3,BGP, BGP-4,ISIS, ISISv6, DHCP Server, DHCP Relay Agent
Routing	LLDP
Multicast	IGMP Snooping,IGMP, MLD, PIM-DM/ SM, PIM-DMv6/SMv6

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Veryx Professional Services▯

Veryx Has Nurtured A High-Quality Pool Of Resources With Deep Networking Domain Expertise▯ Gained Through Innovative Product Development In The Field. Veryx Offers These Skills To The Customers As Professional Services To Allow Greater Flexibility, Faster Time-To-Market And Enhanced Product Quality.

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