- *Enterprises are moving many of their business critical applications from the enterprise data center to the cloud*
- *They are rearchitecting their WAN away from legacy technologies like MPLS to next generation SD-WAN using the public Internet*
- *80% of enterprises are relying on the public Internet for delivering SaaS apps and their corporate WAN*

The Internet is the new LAN.

Teridion for Enterprise Cloud-Based WAN Service

Teridion For Enterprise connects enterprise sites, SaaS applications and cloud workloads over the public Internet, using Teridion's deep learning driven route optimzation and protocol acceleration capabilities, providing SLA-backed WAN performance, reliability, and global reach using the breadth and scalability of the public cloud.

Internet Performance in the Middle Mile

The Internet Backbone and the technology it depends upon creates problems for companies looking to migrate apps and workloads to the cloud, or replace their MPLS circuits to cut costs. These Internet issues aren't mistakes, but design trade-offs that were made 30 or so years ago. For enterprises however, these trade-offs have come at the expense of both cost and performance.

MPLS has long been the standard for enterprise WAN. MPLS private backbone networks provide a predictable level of service with end to end QoS and service level guarantees around packet loss, latency and throughput.

Offsetting this reliable service is the high cost, low provisioning agility and lack of general ability to solve performace issues for SaaS, as the solution is static, and is deployed and charged per endpoint. As a result of these drawbacks, many enterprises have elected to deploy SD-WAN technologies as a replacement for their legacy MPLS networks.

SD-WAN optimizes and secures the network edge, and in some cases provides WAN optimization capabilities, but can't fix middle-mile Internet performance issues. But by combining the WAN edge optimization of SD-WAN with Teridion For Enterprise's cloud based WAN service, enterprises can receive an SLA backed global network, at 30%-50% of the cost of MPLS.

Internet Routing Performance Issues

A number of endemic issues with Internet routing create challenges for the use of the public Internet as a reliable backbone for corporate WAN and for delivering mission critical applications.

How Least Cost Routing Hurts Performance

Least cost routing happens as a result of rules that are baked into Border Gateway Protocol (BGP), which allow providers to prioritize traffic using cost-based weighting factors. This puts the customer experience at the mercy of the network providers' cost- cutting routing tables.

How BGP Hurts Performance

BGP is what network providers use to route data from their own machines to others, and vice versa. BGP rules for internetwork routing dictate that traffic between two points will always take the same trusted path regardless of network congestion, which makes crowded links even worse.

How TCP/IP Hurts Performance

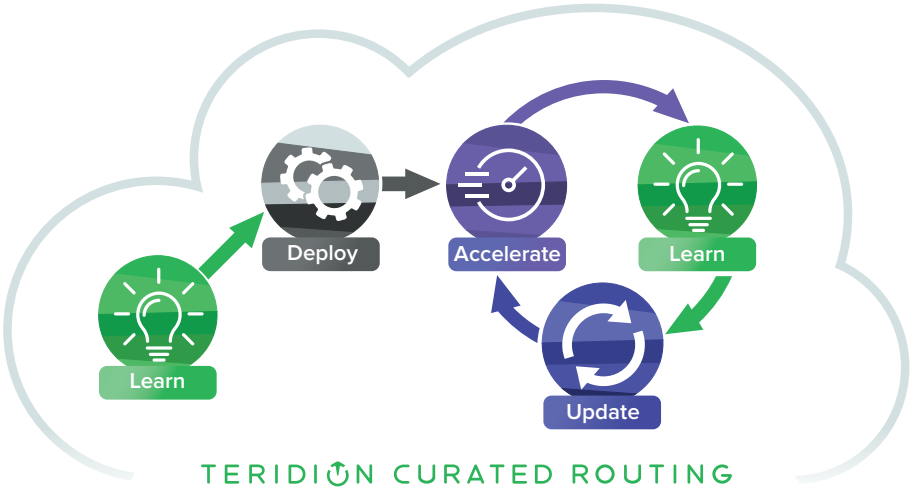
TCP provides the Internet with reliable, ordered and error-checked delivery of data between two systems. By design, TCP is optimized for accurate delivery rather than timely delivery. TCP sessions can incur long delays (often for seconds) waiting for out-of-order messages or retransmissions.

Teridion For Enterprise

Teridion for Enterprise integrates with leading branch office gateways and SD-WAN solutions to extend SD-WAN's capabilities beyond the first and last mile.

With both reliability and performance consistent with legacy WAN technologies like MPLS, the Teridion service includes SLAs comparable to MPLS for SD-WAN and enterprise customers.

Teridion provides snap-in integration to existing SD-WAN deployments from all major vendors. As Teridion for Enterprise is a true cloud service, capacity is not fixed and throughput scales on-demand. There is zero capital expense, customers pay for only what they use and no Teridion hardware or software is required.



Teridion For Enterprise: Architecture

- Teridion Curated Routing leverages thousands of monitoring agents located in the infrastructures of 25+ public cloud. Those agents continually analyze and learn the performance of the global Internet backbone and feed that data to Teridion's deep learning driven routing algorithms.
- These insights are used to construct a dynamically generated path optimized for the Enterprise sites, apps and cloud workloads.
- The curated route is then deployed - the system provisions Teridion Cloud Routers, which route and accelerate traffic across each customer network, ahead of ramping congestion or increases in demand.
- The system keeps on learning on the condition of the public Internet, and updateing the routes to improve to latency, loss and throughput in the network.

Key Benefits

- Support for leading branch office WAN gateways including Cisco ISR
- Snap-in integration to major SD-WAN vendors, and any IPSec supporting device
- On demand capacity and scalability
- Zero capital expense, pay for what you use
- No Teridion hardware or software is required
- Provisioned in minutes with a simple IP-Sec connection to Teridion's network

Primary Solution Use Cases

Superior SaaS application performance, including real-time UCaaS applications

As the enterprise moves more and more applications to the cloud, users are experiencing application responsiveness and performance issues, while expecting applications to perform as if they were hosted on-premises. Teridion brings visibility and control to SaaS application delivery by tracking application performance across sites and optimizing throughput, latency, and loss between a user and any SaaS application regardless of cloud provider, with Teridion Curated Routing.

SLA backed, cost-effective replacement for MPLS

While enterprises are reducing their MPLS footprint, they are reluctant to eliminate it as a WAN service they use. Enterprises are concerned about the lack of SLA from alternative technologies, receiving reliable performance and availability of alternatives worldwide and retaining simple, global billing.

SD-WAN alone can't provide the end-to-end performance, nor the SLA necessary to effectively replace MPLS, but SD-WAN's first mile capabilities when combined with Teridion's network delivers performance and reliability consistent with MPLS.

High performance access to cloud workloads across multiple cloud providers

Enterprises who run some or all of their compute workloads in the cloud can and do encounter Internet performance issues that require them to deploy expensive direct access circuits.

Teridion enables the enterprise to take full advantage of the benefits of a multicloud strategy by ensuring great network performance to any and all public cloud providers, without requiring dedicated access to the cloud provider, dedicated hardware, or additional subscriptions to the provider.

ABOUT TERIDION

Teridion empowers SaaS providers and enterprises to radically improve Internet performance, delivered as a turnkey service.

Teridion uses over 25 public cloud providers around the world to dynamically set up an optimized internet connection between any two points, anywhere in the world. It elastically scales up and down depending on real time traffic requirements, providing instant capacity where you need it, when you need it.

Learn more at **teridion.com**

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