TeligentIP®
SD-WAN Powered by velocloud™

Dynamic Multipath Optimization

Dynamic Multipath Optimization is comprised of automatic link monitoring, autodetection of provider and auto-configuration of link characteristics, routing and QOS settings. On-demand, Per-packet link steering is performed automatically based on the measured performance metric, intelligent application learning, business priority of the application, and link cost. It delivers sub-second blackout and brownout protection to improve application availability. Remediates link degradation through forward error correction, activating jitter buffering and synthetic packet production.

Smart QOS

Granular classification of 2,500+ applications enables smart control. Out-of-the-box defaults set the Quality of Service (QoS) policies for common business objectives with IT required only to establish traffic priority. Knowledge of application profile enables automation of QoS configurations and band-width allocations.

Application Performance Monitoring

A continuously computed Quality Score is used to assess performance of critical voice, video, or data applications at any given time with the ability to alert IT staff. This analysis provides administrators a comprehensive before-and after view into application behavior on individual links and enhancements.

TeligentIP®

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velocloud™
Cloud Network

Cloud Network

Provides control plane, data plane and orchestration in the cloud to provide direct and optimized access to cloud services, B2B Internet as well as generic Internet. A distributed system of multi-tenant gateways deployed by our service provider partners supports optimal connectivity to cloud services and cloud applications around the globe.
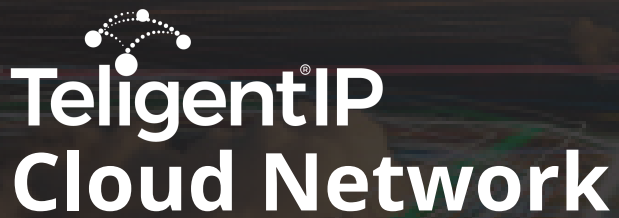
Secure Network

Infrastructure Security - Gateways are operated in highly secure (Tier IV, SSAE 16 Type II) datacenters. End-to-end cloud VPN and security services, such as firewall, web security etc. from Teligent IP and its partners, are easily provisioned on our cloud SD-WAN platform.
Next Generation Firewall - Stateful and context-aware (application, user, device) integrated next generation firewall delivers granular control of micro-applications, support for protocol-hopping applications, such as Skype and other peer-to-peer applications (e.g., disable Skype video and chat, but allow Skype audio). The secure firewall service is user- and device OS-aware with the ability to segregate voice, video, data, and compliance traffic. Policies for BYOD devices (Apple iOS, Android, Windows, MAC OS, etc.) on the corporate network are easily controlled.

Cloud VPN is a one-click site-to-site VPNC-compliant IPSec VPN to connect sites while delivering real-time status and health of VPN sites. Establish dynamic edge-to-edge communication for all types of branches based on service level objectives and application performance. Deliver secure connectivity across all branches with PKI scalable key management. New branches join the VPN network automatically with access to all resources in other branches, enterprise datacenters, and 3rd party datacenters, like Amazon AWS.

TeligentIP
Cloud Network

Scalable with Interoperability

Scalable and redundant gateway capacity is automatically orchestrated when and where needed for enterprise grade branch-to-cloud access. Static, backhauled and unreliable best effort access paths are eliminated.
Our system of cloud gateways provides access to cloud services while also using standard IPSec connections to connect enterprise datacenters eliminating need for datacenter installations or manual per-branch setup.
Cloud gateways provide colocation or direct connect access to SaaS and IaaS.

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TeligentIP
Virtual Services Platform

Virtual Services Platform

Teligent IP supports a platform to host multiple virtualized network functions to eliminate single-function appliances and reduce branch IT complexity.

Service Chaining

Teligent IP service-chains traffic from the branch to both cloud-based and enterprise regional hub services, with assured performance, security, and manageability. Branches leverage consolidated security and network services, including those from partners like Zscaler and Websense.
Using a simple click-to-enable interface, services can be inserted in the cloud and on-premise with application specific policies.

Flexibility

The Teligent IP powered by VeloCloud platform is a x86based multiple virtualized network functions. The platform allows elimination of multiple singlefunction appliances in the branch with firewall, VPN and third party services.
Enable Virtual Edge on any x86, multi-core device capable of supporting single-ended service, like Firewall, or a dual-ended service, like VPN, via a variety of supported hypervisors. VMware, KVM, or Xen. Services can also be spun up in the gateway with a hypervisor when service is needed in the cloud.

TeligentIP

TeligentIP®
Automation and Orchestration
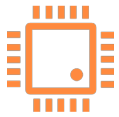
Centralized management, monitoring, visibility and cloud control enable zero-touch branch deployment across distributed locations while delivering automatic business policy and feature updates, link performance, and capacity measurements. Teligent IP supports northbound RESTful APIs for integration with different management solutions and multi-tenant dashboards for service providers.

Business Policy Framework

Quality of Service, resource allocations, link/path steering, and error correction are automatically applied based on business policies and application priorities. Orchestrate traffic based on service groups defined by private and public links, policy definition, and link characteristics.

Application Visibility

Teligent IP offers recognition and classification of 2,500+ applications and sub applications without the need to deploy separate hardware or software probes within each branch location. We intelligently learn applications as they are seen on the network and add them to the cloud-based application database. Services such as firewall, intelligent multipath, and Smart QoS may be controlled through application-aware business policy control.