

Allot Traffic Intelligence and Assurance Platform

# Allot Value for SD-WAN infrastructure

## SD-WAN: A new approach to routing

SD-WAN in a nutshell: It is a new way to approach routing in the world of cloud computing, a NextGen router, but nevertheless, a router after all.

A key application of SD-WAN is to allow companies to build higher-performance WANs using lower-cost and commercially available internet access, enabling businesses to partially, or wholly, replace more expensive private WAN connection technologies, such as MPLS.

However, SD-WAN is financially justified for expensive international MPLS links. Local MPLS cost doesn't justify SD-WAN investment.

MPLS will continue to serve the enterprise for critical applications. Proper management of MPLS traffic is MORE important than EVER since there is now less bandwidth available for MPLS.

### Allot Value for the SD-WAN Ecosystem




SD-WAN is becoming more and more common in many organizations with distributed IT data centers and offices to create a Hybrid Network. Most deployments today are funneling MORE traffic than ever back to a central location or datacenter and serving applications from their datacenters to their users. Hence, application delivery assurance over multi and hybrid cloud models is becoming significantly more essential for business success.


The Allot Traffic Intelligence and Assurance Platform manages the organization's entire Hybrid communication and routing technologies. It enables the organization's IT to gain full visibility and control over its entire network to ensure that network use and digital experience are aligned with the organization's business priorities.

With the Allot platform deployed at the datacenters, you can manage the traffic of multiple applications and users to enable the following advantages:


- Manage flow-based centralization
- Manage cloud access traffic
- Improve performance
- Manage voice/video and collaboration tools


### Allot Key Features


 **Selective control of streaming applications**  
 Selective control of bandwidth-hungry streaming applications based on location and specific time period or selected users  



 **Selective control of dark web applications**  
Selective control of dark web and risky applications like anonymizers, and free VPNs, based on location and specific time period or selected users

 **Real-time monitoring**  
Real-time monitoring of application usage by users

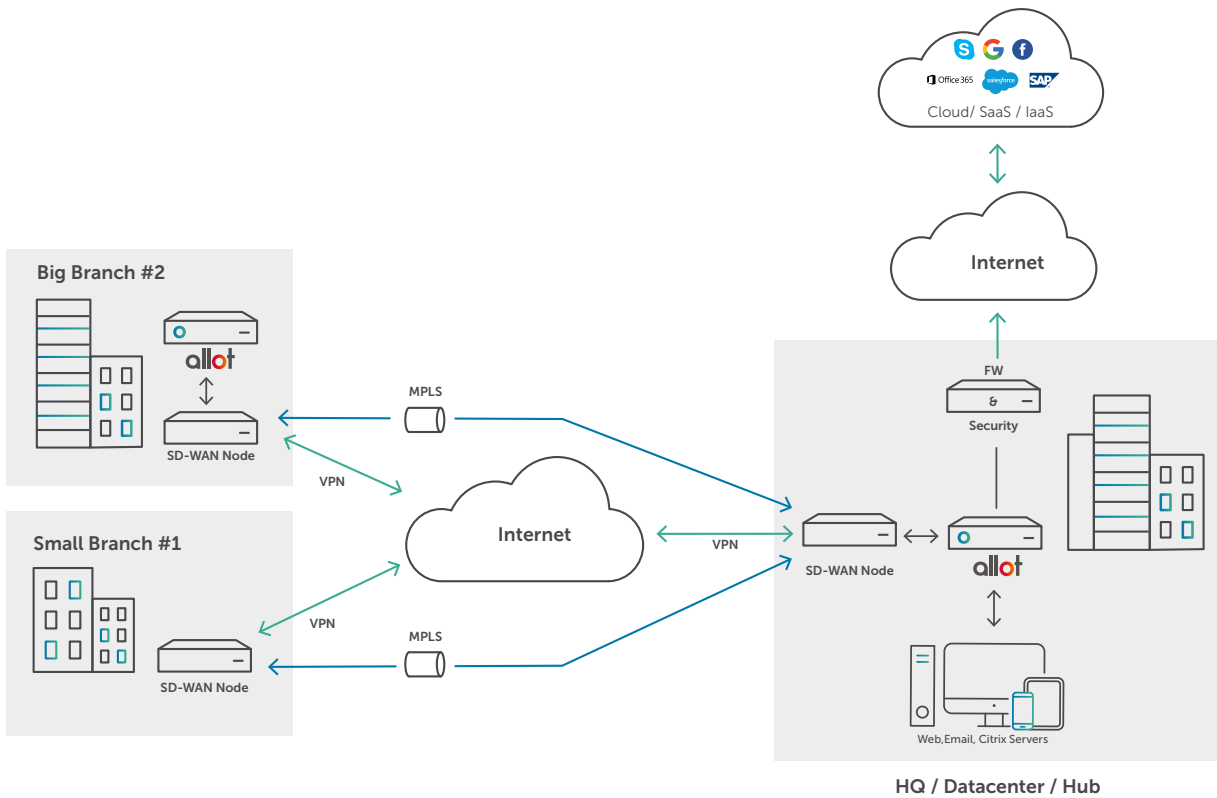
 **Long term profiling**  
Long term profiling of users from usage logs for analytics, capacity planning, SLA enforcement

 **Filter web content (URL/Domain)**  
Filter Web Content (URL/Domain) according to regulatory requirements (law of the land)

 **Behavior Anomaly Detection**  
Protect your network from small and large volumetric attacks, as well as short-lived attacks that can disrupt IT operations and your business

 **Selective traffic steering**  
Intelligent and selective steering of traffic from suspicious users for deeper security inspection by third party tools

# Allot Solution Architecture



## Why deploy Allot in the SD-WAN ecosystem?



### Visibility Collaboration

You must be able to view and monitor what you need to control. While most SD-WAN vendors provide low cost technology, which is poor in its granular visibility for application and user digital behavior, the Allot platform provides you with granular visibility over all your applications, including use of risky applications, thus enabling you to understand how your network is being used. The Allot platform provides unique capabilities such as:

#### Layer 7+ Granular Inspection

Layer 7+ granular inspection to detect different application and sub-applications overcoming encryption and selective control accordingly.

#### Comprehensive Signatures

Comprehensive signatures for popular social media applications, anonymizers and more, and frequent updates to cope with dynamic eco-system changes.



### Traffic Management Collaboration

To deliver high QoE, you must be able to effectively prioritize your application usage. While SD-WAN routers do not support shaping/queuing on INGRESS and QoS cannot be guaranteed on the Internet, the Allot platform assures high QoE and an excellent digital experience thanks to its advanced traffic prioritization capabilities. The Allot platform provides unique capabilities, such as:

#### High Performance Service Gateway

High performance platform with Smart Application Control (In + Out). Network admins can prioritize business-critical apps for optimal quality of experience, keeping users satisfied and productive.

#### Cost effective One-ended Web and TCP Optimization

While other solutions require 2 end point deployments, the Allot solution is deployed at only one point in the traffic path, thus providing low TCO TCP optimization.

