



# Hermes Networks SD-WAN

## SD-BRANCH SOLUTION OVERVIEW

Hermes Network SD-Branch solution simplify how traffic is routed from the branch and make it easy to establish and secure local Internet breakouts. Together, they enable fast and secure access to websites and business-critical cloud applications from branch and remote office locations.

For businesses requiring a secure network connection, SD-WAN offers a more seamless user experience than VPN. SD-WAN does this by extending from traditional WAN to various public clouds, which minimizes packet loss.

As more applications move to the cloud, the old approach of backhauling traffic over MPLS to a centralized Internet gateway via a hub-and-spoke architecture is no longer relevant. It is expensive and introduces unnecessary latency that negatively impacts user experience. To support a cloud transition and deliver a fast user experience, enterprise network architects are re-evaluating the design of their WAN architectures to find ways to route Internet traffic locally, and to take advantage of inexpensive broadband Internet services, often turning to Software-Defined Wide Area Networking (SD-WAN).

The Hermes Network SD-Branch solution simplifies how traffic is routed from the branch, and makes it easy to establish local Internet breakouts. Using broadband along with MPLS as the transport mechanism, software-defined policies select the best path to route traffic to connect the branch to the Internet, cloud applications, and the datacenter. By defining policies in the cloud via a single interface, organizations can easily deploy new applications and services, and manage policies across a large number of locations.

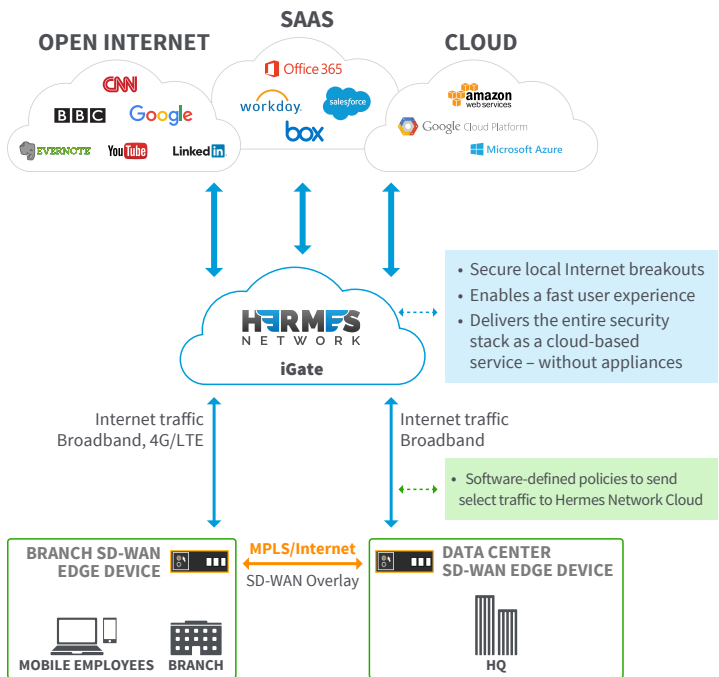
### Reliability of SD-WAN vs. VPN

Both SD-WAN and VPN are very secure systems, however, SD-WAN offers a failover security feature that VPN does not. SD-WAN automatically fixes a service failure or outage by taking control of your IP address and transferring it from one network to another.

### HIGHLIGHTS

- Hermes Network SD-Branch simplifies connecting branches to the Internet by leveraging multiple network connection types (broadband, LTE, and MPLS) to optimize traffic routing and reduce MPLS costs
- Hermes Network SD-Branch routes Internet traffic locally to Hermes Network (HN) iGate to enable a fast and secure user experience
- Hermes Network (HN) iGate delivers the entire security stack as a cloud-based service that eliminates the need to buy, deploy, and manage security appliances in all your branch locations
- Hermes Network (HN) iGate ensures identical protection for users wherever they connect – with policies that follow the user
- Hermes Network (HN) iGate enables organizations to define and immediately enforce security and access policies across all locations from a single console, and Hermes Network SD-Branch allow rapid deployment of new security services in minutes, with just a few clicks

Hermes Network iGate delivers the entire security stack as a cloud service to secure Internet traffic and deliver a fast user experience— without backhauling and without deploying stacks of security appliances at each location. By routing Internet-bound traffic to Hermes Network iGate, customers can immediately begin inspecting all traffic — all ports and protocols, including SSL. Organizations can define and immediately enforce access and security policies across all locations from a single console. There is no compromising on security. Because policies follow the users to provide identical protection no matter where they connect. And, Hermes Network iGate and cloud services scale elastically so you can deploy new services in just a few clicks.



**HERMES NETWORK SD-BRANCH**

Hermes Network make it easy to migrate from a hub-and-spoke to an Internet-only branch architecture by enabling secure local Internet breakouts. With Hermes Network SD-Branch, network administrators determine what traffic to route to iGate. Typically, all branch Internet traffic is forwarded to HN iGate, routing traffic from Hermes Network to the HN iGate Cloud Security Service using Hermes Network tunnels. HN iGate secures all traffic in the cloud, without security appliances. Hermes Network SD-Branch solution delivers a secure, high-performance SD-WAN solution that securely connects branches to the Internet with a fast user experience.

**About Hermes Network Inc.** | Hermes Network ([www.hermesnetwork.cloud](http://www.hermesnetwork.cloud)) brings a unique combination of groundbreaking technologies and unmatched networking expertise to the enterprise and telecommunications industries. The Silicon Valley-based business has applied radically new thinking to the problem of delivering massively scalable and highly programmable SDN solutions within and across the datacenter and out to the wide area network with the security and availability required by business-critical environments. Hermes Network, backed by the rapidly growing IP/Optical Networks business of major carriers and data centers, has the pedigree to serve the needs of the world’s biggest clouds. The cloud has made promises—the mission of Hermes Network is to help you realize them. Discover more at [Hermesnetwork.cloud](http://Hermesnetwork.cloud).