



Hermes Networks SD-WAN

What is a next-generation firewall (NGFW)?

A next-generation firewall (NGFW) is part of the third generation of firewall technology that can be implemented in hardware or software. It is capable of detecting and blocking sophisticated attacks by enforcing security policies at the application, port and protocol levels.

Next-generation firewall vs. traditional firewall

While both NGFW and traditional firewalls aim to protect an organization's network and data assets, they also have several differences.

The main similarities include static packet filtering to block packets at the point of interface to network traffic. They also both have the capability to provide stateful packet inspection, network and port address translations, and both can set up VPN connections.

One of the most important differences between traditional and next-generation firewalls is that NGFWs offer deep-packet inspection that goes beyond simple port and protocol inspection by inspecting the data carried in network packets. Other key differences are that NGFWs add application-level inspection, intrusion prevention and the ability to act on data provided by threat intelligence services.

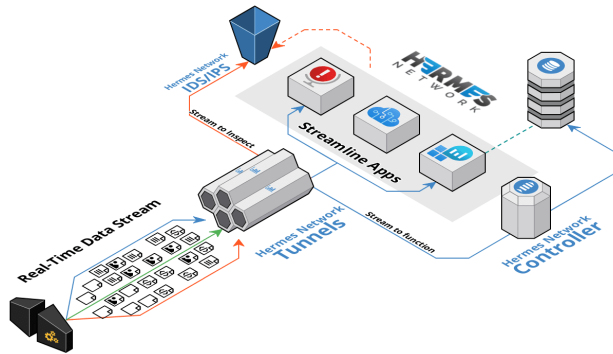
NGFWs extend the traditional firewall functionality of NAT, PAT and VPN support to operate both in routed mode -- in which the firewall behaves as a router -- and in transparent mode -- in which the firewall behaves like a bump in the wire when it scans packets -- while also integrating new threat management technologies.

What are the five types of firewalls?

1. Packet filtering firewall: Looks at the IP header of packets and drops ones that are flagged.
2. Circuit-level gateway: Flags malicious content based on TCP handshakes and other network protocol session initiation messages, rather than looking at the packets themselves.
3. Stateful inspection firewall: Combines packet filtering with session monitoring for an additional level of security.
4. Application-level gateway: Filters packets by destination port and HTTP request string. Also known as a proxy firewall.
5. Next-generation firewall: Employs application-level, context-aware, intelligent technology to protect against advanced threats.

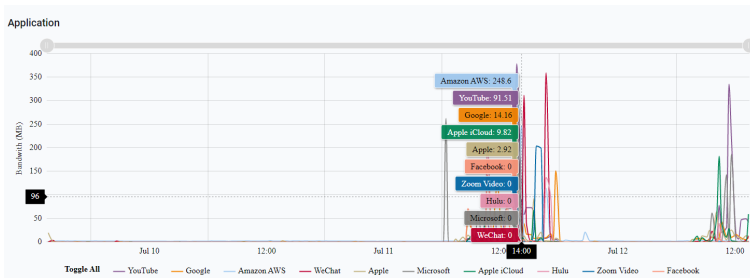
NEXT GENERATION FIREWALL (NGFW) SOLUTION BRIEF

Hermes Network SD-WAN combined both UTM and Next Generation Firewall Features to enterprise-grade security to all size organizations. In addition, we bundle in our SASE endpoint protection solution with anti-virus, anti-malware and many other expanded security coverage to prevent any threat from remote access



HERMES NETWORK NGFW HIGHLIGHTS

- application awareness
- integrated intrusion prevention systems (IPS)
- Secure SSL, IPsec and SD-Branch for secure remote access
- Fast and simple application control
- Centrally managed with full visibility



IDS - Alert - Top Signature ID



About Hermes Network Inc. | Hermes Network (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.

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