Hub-and-Spoke Federal Use Case

Throughout various federal agencies and the department of defense, unique private networks are designed to perform various tasks that require unique configurations. At the same time, these configurations often present challenges that are not so unique. Many agencies pass multiple data types (data, voice and video) between clients and servers across the network. In doing so, the high bandwidth, connectivity and security requirements of the voice and video data streams often slow network performance to a crawl and hinder workforce productivity.

SOLUTION

The best way to securely connect clients and servers to multiple data streams, including live voice and video, without sacrificing performance is to route that segmented traffic through a VPN connection secured by a Next-Generation Firewall (NGFW). Placing a NGFW at each installation or office creates a hub-and-spoke model where each connection is routed through a primary NGFW located at the main site.

HOW SONICWALL HELPS

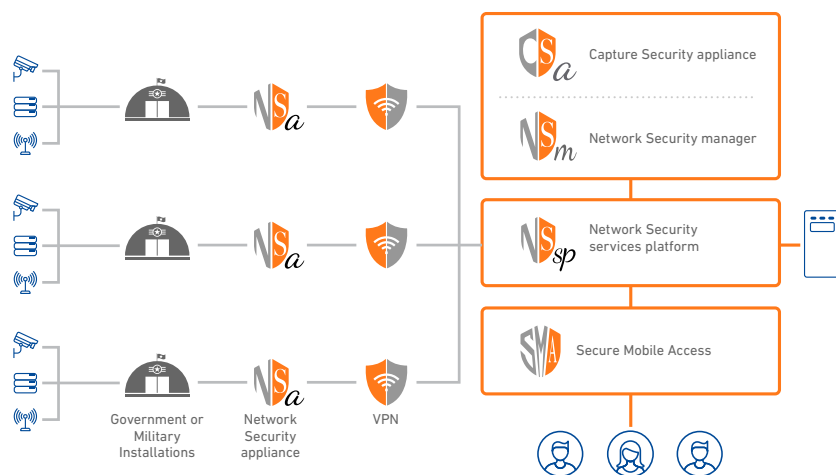SonicWall has perfected this solution. SonicWall's hub-and-spoke information system security topologies have optimized the balance of network security and performance for private sector companies and the U.S. federal government with globally dispersed locations for nearly 30 years.

All data feeds into a local TZ370 NGFW (or larger) at small sites or a NSa 2700 (or larger) at larger sites. The feeds are secured via VPN to tie into the data's private servers. On the server side, a large NGFW, such as an NSsp 15700, is used to ensure that the extreme bandwidth created by the live data does not create performance issues. SonicWall Secure Mobile Access (SMA) appliances are placed behind the primary NGFW to regulate user and device access to server resources. SonicWall Network Security Manager (NSM) gives IT administrators the ability to centrally manage, update and run security services on the NGFWs and SMA within the hub-and-spoke model using a single pane of glass (SPOG).

SONICWALL AND FEDERAL GOVERNMENT

SonicWall offers distributed military forces and agencies with a cost-effective, automated, real-time platform for defense, management and connectivity.

Learn more at www.sonicwall.com/federal

Government or Military Installations — Network Security appliance — VPN — Capture Security appliance — Network Security manager — Network Security services platform — Secure Mobile Access

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