Application note

PROFILE

Your nationwide insurance company has different agencies all connected to the corporate office via IPSEC VPN connections used to connect to the central servers.
Your plans to deploy new business applications have led you to overhaul the agencies' WAN architecture in order to take into account the volumes of data flows transmitted through those new applications. Firewall processing capacity in packets per second is particularly sensitive. You are installing measurement tools on your network in order to better plan these deployments.

GOAL

You want to analyze remote sites' incoming and outgoing flows based on their capacities and frequencies, in order to accurately size the agencies' access capabilities.
You also want to set up regular alerts in order to directly notify the Helpdesk team if the firewalls responsible for encrypting the VPNs become congested.

VPN Firewalls Capacity planning

The H5-Appliance, once installed in a few minutes right before the corporate office's access firewall, can provide a detailed map of incoming and outgoing traffic to and from all agencies, through the use of monitored objects.

It is then possible to determine the most traffic-consuming agencies, and for each agency, the applications and users responsible for the heaviest peaks in throughput. You can also detect, for each application and user, the packet capacity peaks that are most frequently limited due to firewall congestion.

Once this is done, it is easy to determine which firewalls are a priority to upgrade or change, and once the upgrades have been made, to verify which limits on traffic capacity have been reduced or eliminated.

Weekly "capacity planning" reports may be generated with those same monitored objects. The network teams will be able to rely on those reports when making decisions about network access upgrades. H5-Performance Reporter provides traffic monitoring for all end users and quickly notify the helpdesk if saturation firewalls.

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