

Cyberoam ensures Optimal Network Performance for Photoweb



Case Study



Organization

Photoweb

Country

France, Europe

Industry/ Vertical

Print Media

Cyberoam Reseller



By ACCESS Group

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The Photoweb Challenge

Mr. Loïc Jallu, the IT Manager at Photoweb said, "Since the Internet plays a vital role for our business, continuous and secured Internet connectivity is one of the major necessities".

The issues that they faced were:

Business Continuity Concerns

Mr. Jallu worryingly quoted, "FTP transfer is a very frequent and key business activity for us. Obviously, continuous and stable Internet connectivity is a must". He further added, "Many a times, use of multiple WAN links to support frequent and heavy FTP transfers posed the risk of instability". Clearly, Mr. Jallu could not afford to have a single point of failure and were in search for a solution that could provide him with simple yet efficient Multi Link Management feature.

Need for Maximum Network Throughput

To ensure 100% Internet connectivity, deployment of multiple ISP links is a very common thing these days. Reason being: Internet connectivity downtime usually leads to a great deal of business loss. However, given that purchase of multiple ISP links cost an organization a great amount of money, Mr. Jallu desired maximum network bandwidth along with assured network uptime. Mr. Jallu said, "We needed a solution that could help us with efficient usage of our multiple ISP links to yield maximum network bandwidth". He further added, "We were also looking for more flexible routing options compared to the static routing by Switches".

Need for Efficient Remote Access Management

Mr. Jallu said, "We were looking for a solution that could provide the employees that are usually away from office with a secure remote access of LAN network resources located at the Head Office". Hence, the need was of a solution that could provide them with reliable, secure and threat-free connectivity through VPN and help the nomad employees to have access to required network resources.

The Cyberoam Solution

Photoweb was in search of a solution that could address their network performance and VPN deployment issues. After looking through a number of established security solutions, they were introduced to Cyberoam by Access Diffusion – a leading Cyberoam Reseller. Access Diffusion represents exceptional industry expertise with experienced network security professionals. Access Diffusion helped Photoweb scrutinize Cyberoam's varied features, which made them realize that Cyberoam is the best fit for all their requirements. They purchased One (1) CR 200i and One (1) CR 50ia Appliances and deployed both the appliances in Gateway mode. They deployed the CR 200i Appliance at their Headquarters and the CR 50ia at their Production Workshop.

After deploying Cyberoam in the network, the benefits that they notice are:

Corporate Profile

Founded in Grenoble in December 1999, Photoweb was the first French company to offer online order of photo prints, along with home delivery options. Within a few years after its inception, Photoweb has grown tenfold, with the present employee count of over 140. In order to control quality and production costs, Photoweb has always ensured 100% in-house production of all its products.

"Since the Internet plays a vital role for our business, continuous and secured Internet connectivity is one of the major necessities"

Mr. Loïc Jallu
IT Manager
Photoweb

Optimal Network Performance

Cyberoam's Multiple ISP Load Balancing feature performs load balancing, allowing efficient distribution of traffic to optimize multiple ADSL links in Photoweb. The Gateway Load Balancing is performed based on the speed and cost of WAN links. Thus, it prevents overload, lowering response time and providing assured QoS.

Moreover, Cyberoam Security Appliances provide best-in-class Multi Link Management feature. Cyberoam supports multiple rules and protocol based ISP Gateway Fail-over, diverting traffic from a failed link to a working link, thus ensuring uninterrupted business activities. Mr. Jallu happily quoted, "Thanks to Cyberoam's impressive Networking capabilities, we now have assured network uptime along with higher network bandwidth".

Flexible Routing Configurations

Cyberoam Security Appliances support configuration of static as well as Dynamic Routes. Mr. Jallu has the option to configure Dynamic Routes over multiple protocols including RIPv1, RIPv2, OSPF and BGP; providing him with more advanced and flexible Routing configurations. Mr. Jallu said, "Thanks to Cyberoam, we can now configure more advanced routes compared to the limited static routing options supported by our previous Switches".

Secured Remote Connectivity

Cyberoam's VPN bridges the geographical distances between the head office, remote user, and the branch offices. It ensures reliable and secure connectivity in a way that no invader can intervene with the data by any means. Mr. Jallu has configured IPSec and SSL VPN policies to provide secure remote access of LAN resources located at company Headquarters, to the employees who are not physically connected to the office.

Mr. Jallu said, "Cyberoam's VPN has proved to be very useful for the employees-on-run and also increased the operational efficiencies of the organization".

Security built around the User's Identity

Cyberoam's Layer 8 technology includes a user's human identity as part of the Firewall Rule matching criteria. The Layer 8 technology penetrates through all the security modules of Cyberoam UTM. All security features can be centrally configured and managed from a single Firewall Rule page with complete ease. The identity-based security gives real-time visibility into the online activity of employees based on their usernames rather than IP Addresses, plotting a clear picture of who is doing what in the network.

Advanced Threat Protection and Networking Features

Cyberoam Security Appliances offer best-of-breed network security. It features a Stateful Inspection Firewall; Intrusion Prevention System; full Gateway Anti-malware suite; Anti-spam; Web Content Management; SSL VPN; Web Application Firewall; among many other useful features. It also offers identity-based controls integrated across all of the appliance functions allowing for granular security controls based on user authentication and role.

Cyberoam UTM provides assured WAN connectivity across multiple WAN links, 3G, Wimax and IPv6 connectivity in addition to Wi-Fi LAN access, preventing network failures. Some of the key connectivity and routing features include: Server Load Balancing, Multiple ISP Load Balancing, Rule based ISP Gateway Fail-Over, High Availability (Active-Passive / Active-Active), Dynamic Routing, 802.1q VLAN Tagging, Security over WiFi (WLAN), 3G/4G and Wimax (WWAN) Support.

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To Conclude

"We were very concerned about ensuring maximum network performance and Cyberoam has helped us meet that need. We are very satisfied by the Unified Threat Management (UTM) device", said Mr. Jallu.

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