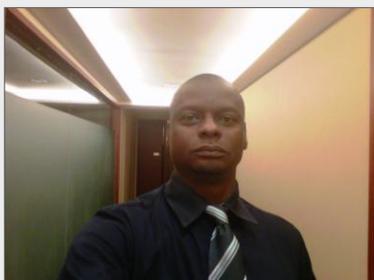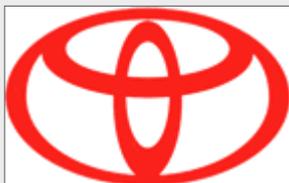**Organization**
Toyota Nigeria Limited

Country
Nigeria,
Africa

Industry/ Vertical
Automobile

Toyota's contract documents and sensitive servers are under constant threat from spyware, and DoS attacks. So they were in need of Gateway firewall and Intrusion Prevention solution for protection of their entire network.

- Mr. Yomi Oyelola
IT Senior Executive,
Toyota Nigeria Limited

http://www.cyberoam.com

Cyberoam Provides Network Security, Reliability and Availability for Toyota

About Toyota (Nigeria) Limited

Toyota (Nigeria) Limited offers the Nigerian public high quality products tailor-made to suit the Nigerian climatic and road conditions. What indeed has set Toyota apart from competition is the excellent range of products in the brand's portfolio that have met the demand of the market in terms of customer satisfaction. The products offered by Toyota are **Passenger vehicle models** including the Corolla, Avensis, Camry etc. and **Commercial vehicle models** including the Huilux pick up, Hiace, Coaster, Land cruiser etc.

With positive development in the financial sector paving way for easier purchase terms, quality product line up, strong and superior marketing effort, propelled by excellent after sales services, the Toyota brand is currently the brand of choice in today's Nigerian automobile market.

Their mission is to provide the ultimate auto-brand experience through a strong dealership network, driven by excellent relationship with their stakeholders and be the leading automobile brand in Nigeria.

The Toyota Nigeria Challenge

Below mentioned are the challenges faced by Toyota related to its business activities:

Basic Perimeter Protection

The company was looking for a gateway firewall to make their network invisible from online attackers and some malicious software such as viruses, worms, and Trojan horses. The company contains the contract document and other client sensitive information and data that can be possibly targeted by attacks from external entities and outside access attempts. The organization, therefore, needed a gateway firewall and IPS solution to regulate user authentication and access control.

Scheming Malware & Spam

In the absence of gateway anti-virus & anti-spam, users surfing the Web were constantly exposed to the danger of malware infestation. These malware attacks often took a blended form through email attachments, their confidential documents etc. These attacks had the potential to modify productive documents and knock down significant data. As a result the productivity   suffered.

The spam filtering was required to be totally automated and perform irrespective of the language and content of the mail with an absolute minimum amount of false positives - as the organization cannot afford to have spam mails in the mail boxes.

A perimeter level anti-virus & anti-spam solution was required that would protect the network, scan and clean any malware or spyware over the network to ensure the contents' sanctity.

Monitoring Website Access

The organisation wanted to block unwanted sites while enforcing productive surfing among employees and to prevent phishing and pharming.

They wanted a suitable content filtering solution with reporting feature for showing graphs and traffic results on specific sites accessed by staff when they switch computers.

A boundary level anti-virus & anti-spam solution was required to protect the network, scan and clean any malware or spyware over Web mail and scan all Web traffic to ensure the contents' sanctity.

Cyberoam ICSA and Checkmark certified firewall - provides granular access controls over Internet traffic and the network resources.

The Virus Outbreak Detection feature protected the organization for Zero Day Attacks and Vulnerability Exploits.

VPN Connectivity

Toyota has evolved into an organization with independent networks at remote sites supporting many users. The primary challenges for Toyota were to provide access to sensitive data across a more secure and stable VPN. Internet is relied on profoundly to allow remote sites VPN access back to the main office.

The Cyberoam Solution

Toyota looked into a number of security products including Checkpoint in order to address their business challenges. The search was on for an appliance which would take care of their all above requirements. However, after seeing a trial demo of Cyberoam by Gladstone Technologies Limited, they felt that Cyberoam was the apparent choice. The organization then deployed Two (2) CR 100ia at their head office in Bridge mode.

The business benefits were as follows:

Access and Application Control

Cyberoam UTM's Stateful Inspection Firewall implements policies based on User Identity in addition to source, destination zone, IP address and application and provides access control over all the Internet traffic.

Stateful inspection firewall and Intrusion Prevention solution guard the LAN and the DMZ network from unauthorized access and intrusion attempts. All applications that tried to access Internet were logged and any un-productive application was blocked. Coupled with Intrusion Prevention module, Cyberoam UTM can counter any Denial of Service attack. Mr. Yomi Oyelola, the IT Senior Executive at Toyota now felt the network is secure.

Malware and Spam Free Internet

Cyberoam's gateway anti-virus and anti-spyware features guard all the web and mail protocols and ensure that no malware or spyware sneaks through the perimeter. Recurrent Pattern Detection (RPD) powered signature-less anti spam technology works instantly on deployment, with the least human intervention and is language independent. It blocks spam in any language regardless of the content, e.g. image, audio, video or zip-based spam. The anti spam feature is also equipped with Virus Outbreak Detection. This protects the organization against any zero day attack.

Filtering Solution

Cyberoam's Web filtering solution, with more than eighty two (82) categories ensures that the employees do not access pornography, violence and other harmful content on the Web. Cyberoam blocks the pop-ups, phishing, pharming and other malware laden sites. All the harmful Trojans, cookies and scripts sites were also safely out of bounds for the employees.

Mr. Oyelola commended Cyberoam as an excellent Web Filtering solution that does not compromise on needs of employees. Moreover, Cyberoam's identity-based filtering allows sets individual user Internet access policy, surfing quota, time limits and bandwidth restrictions.

Uninterrupted Business Connectivity

Cyberoam UTM's IPSec VPN solution bridged the geographical distances between the branch and head offices. This now ensures that the user can connect securely from any location and use the resources.

Cyberoam's Web filtering solution, with more than eighty two (82) categories ensures that the users of the Internet do not access pornography, violence and other harmful content on the Web.

Also, Cyberoam ensures transparent VPN failover for branches in order to provide uninterrupted connectivity for branch users. When an Internet connection fails, this feature dynamically switches traffic over to the active connection, maintaining uninterrupted VPN service.

The Results

Mr. Oyelola says, "Cyberoam surpassed my expectations. Cyberoam helped Toyota to install a secure appliance to manage multiple security functions and educated me and my organization on these vital security measures to protect our customers and employees data."

Cyberoam®
Unified Threat Management