

Success Story

Secure Network Solution Helps Save Lives Around the World



Health care
- NGO



Médecins
Sans
Frontières



Switzerland



ZyWALL
USG
Solution

Overview

Challenges

- Provide network connectivity between organization's headquarters and branches
- Secure all network connections and traffic from outside threats
- Provide ability to prioritize network service
- Allow remote network configuration and management
- Reduce setup and operational costs

Benefits

- Secure virtual private network (VPN) connections
- Protection from local threats via UTM services content filters, anti-virus, and intrusion detection and prevention (IDP)
- Enhanced broadband management options
- Heightened security with enhanced ease of use
- Increased stability
- Excellent return on investment and price to performance ratio
- Cloud-based centralized management
- User-friendly remote set up, configuration, updates, and system restoration

Solutions

- ZyWALL USG Solution

Background

Médecins Sans Frontières (MSF), also known in English as Doctors Without Borders, was founded in 1971 in France and has become the largest international organization for medical emergency assistance in war zones and crisis areas (armed conflicts, natural catastrophes, epidemics, etc.). As an international organization, MSF houses 24 sections in various countries. MSF is headquartered in Geneva, Switzerland, which is one of the five operational centers and the organization's head of operations and administrations. Today, MSF Switzerland employs over 350 regular staff members and supports a large number of volunteers. MSF is active in 25 countries and over 60 projects, with over 95 percent of its financing coming from donations.



Challenges

The organization's Internet access at its local branches needed to be protected against any possible threats, and connections to the central office also required a high level of security. Furthermore, it must be possible to prioritize critical services from a central location. The organization also needs to be able to configure their constantly-changing network setup remotely, and networking at the entire headquarters site has to be controlled and organized centrally, all while controlling costs.



Solutions and Benefits

MSF found support at INNIX Sàrl, Swiss IT services company, Zyxel valued partner. The goal was to create an optimized set of standard configurations. Local Internet access would be protected against threats with the help of UTM services content filters, anti-virus, and intrusion detection and prevention (IDP) with Application Patrol. Wherever possible, connections would be made in dual-WAN in a failover mode, while backup-WAN would often be provided by satellite. The sophisticated broadband management and QoS guarantee optimizes transmission for critical services such as SharePoint, e-mail, and VoIP.

Secure ZyWALL USG Solution

Compared with previous VPN technology, the next-generation Zyxel security solution is safer and easier to configure. It has proven to be more robust and tolerant of

unstable Internet connections. Moreover, IKEv2 is available as a standard VPN in the majority of recent client systems.

Central monitoring and management

As a cloud-based central management system, Zyxel Cloud Network Center (CNC) offers all the basic functionality required by MSF. These include monitoring firewalls (on/off, healthiness) and firmware upgrades. Configurations can be set up, updated, backed up, and restored remotely.

From their worldwide locations, the employees of MSF now connect safely via the ZyWALL USG40W, VPN firewall with UTM services, and Zyxel Cloud Network Center.

Products Used

USG40W • Unified Security Gateway



- All-in-one UTM Firewall for small businesses
- Anti-malware protection with firewall, anti-virus, anti-spam, content filtering, IDP, and next-generation application intelligence
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity
- Integrated single-radio wireless access point
- Built-in WLAN controller for centralized management of up to 18 APs

About Zyxel Communications

Focused on innovation and customer-centricity, Zyxel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.

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