



Success Story

Metropolitan Hotel Ankara Modernizes Wireless Network with ZyXEL Solutions

"It was really important for us to allow our guests from all over the world and Turkey to utilize all technological opportunities.

I believe that the products and solutions installed in scope of the project will be highly useful both in terms of customer satisfaction and technical excellence. ZyXEL Turkey proved that we have made the right choice by implementing the technological infrastructure solutions to our hotel in such a short period without any problems."

Volkan Demir
General Manager,
Metropolitan Hotel Ankara

Overview

Customer Name

Metropolitan Hotel Ankara

Customer Industry

Hospitality

Challenges

- Upgrade outdated network infrastructure.
- Solution must be future-proof.
- New solution must allow for easy detection and management of security threats.
- Provide stable and uninterrupted network and Internet service for guests and staff
- Link Ankara hotel to other Metropolitan hotels and the corporate headquarters

Solutions

- Unified Security Gateway
- 48-port Gigabit L3 Switch with 10-Gigabit Uplink
- Gigabit L2 Switch
- Wireless LAN Controller

Benefits

- Complete security solution with integrated firewall, antivirus, IDP and content filtering features
- Gigabit switches provide a scalable and future-proof solution
- Extensive support with excellent price-to-performance ratio
- A stable networking environment
- Ease of use and management

Background

Founded in 2004, Metropolitan Hotel Ankara provides services and comfort to visitors with its 76 standards, 16 junior suits and four senior suits. A member of the Aktif Group, the hotel is located in the city center of Ankara. The hotel's unique design makes it one of the city's modern architectural wonders.

Facilities at the hotel include the Kehribar Restaurant, which features traditional Turkish and Ottoman cuisine. The restaurant offers a 360-degree panoramic view of Ankara. The Aqua Marine Health Club

includes an indoor pool, Turkish bath, Finnish bath, sauna and a hot tub. Massage rooms and a fitness centre are also available.

The hotel's central location makes it ideal for visitors wanting to see all the history Turkish capital has to offer. Anitkabir (Mausoleum of Ataturk) is 3.5 km away. The hotel is 2 km from Ankara Bus Terminal and 30 km from Esenboga Airport. There are also numerous shopping centers and malls within a 5-minute drive from the Metropolitan Hotel.



Challenges

The main goal of the project was to upgrade and future-proof the network infrastructure of Metropolitan Hotel Ankara of Aktif Group by using cutting-edge products and solutions. Updates should make it easier to detect cyber security problems before they

develop and to take the necessary measures to prevent them. The upgrade must provide uninterrupted, stable and secure Internet access to all local and foreign visitors.

Solutions and Benefits

ZyXEL specialists performed an extensive analysis to determine the data security and interior Internet roaming requirements for the hotel. The analysis was carried out in order to set up wired and wireless networks using the latest products and end-to-end network solutions provided by ZyXEL.

The project was implemented with the help of contractor Aybiltech, a solution partner of ZyXEL. The ZyXEL USG 2000 firewall formed the basis of the of the new network security solution. Switching and infrastructure management were built around ZyXEL XGS4700-48F Layer 3 and GS2210 Layer 2 switches. Network management and connectivity were to be handled by various products and solutions, including a ZyXEL NXC 2500 Wireless LAN Controller, which would provide guests with smooth and efficient access. Also, the VPN installation between Metropolitan Hotel Ankara, Metropolitan Hotel Taksim and Aktif Group Companies were established and institutional infrastructure was completed.

During the project planning stage, ZyXEL specialists spoke to the officers of Metropolitan Hotel Ankara and performed an extensive analysis to assess the data security and interior Internet roaming requirements of the establishment. Thanks to ZyXEL solutions, Metropolitan Hotel Ankara IT department can now monitor and manage the whole network structure centrally from one point.

The security structure was based upon the ZyXEL USG 2000 firewall, a product from USG series. The product provides perfect security for establishments such as hotels, where visitor network traffic is high. The ZyXEL USG 2000 has fulfilled all security requirements of Metropolitan Hotel Ankara with its integrated firewall, antivirus, IDP and content filtering features.

The switch infrastructure was provided by ZyXEL Layer 3 and Layer 2 manageable switches — XGS4700-48F and GS2210 Series. These

gigabit switches used throughout the infrastructure are an important indicator that Metropolitan Hotel Ankara is investing for future of its evolving business.

Aytuğ Nadir, ZyXEL Turkey regional sales manager said, "At ZyXEL , we are more than prepared to implement the best solutions with our well-equipped solution partners in order to carry out similar projects in Turkey." He added, "We are glad that we have managed to carry out this project successfully with Aybiltech, a member of the ZyXEL Solution Partner program ZyPartner, who had previously obtained all of our training certifications. We have set out to provide a 5-star service to the 5-star facility, Metropolitan Hotel Ankara. We have provided the support and experience necessary as a team to ensure the satisfaction of everyone."

Selçuk Ayhan, project manager of Aybiltech, a member of ZyXEL ZyPartner Solution Partner Program, said, "We are proud to be able to add value to Metropolitan Hotel Ankara, a facility that stands out with its unique perspective concerning the concepts of accommodation, services and hospitality. As a member of the ZyXEL family, we are always happy to take part in important projects with an extensive scope that requires technical knowledge and skills. We worked even harder to keep the costs to a minimum and we believe that we have managed to do that."

General Manager of Metropolitan Hotel Ankara, Volkan Demir, emphasized that his establishment is committed to providing a trouble-free wired and wireless networking environment to guests. Demir emphasized that data security is a critical matter for the hospitality industry, praising both ZyXEL and Aybiltech provided the perfect solution to meet the needs of the hotel's management, staff, and customers.

Product Used



USG 2000 Unified Security Gateway

- Ultra-high performance and protection
- Comprehensive support to IPv6
- Supported various VPN solutions (IPSec/SSL/2TP)
- Zero-configuration remote access with EASY VPN
- Support L2TP VPN on mobile device (iPhone and Android phone)
- ICSA Firewall, IPSec certification
- Real-time, dynamic malware protection
- High Availability (HA)



XGS4700-48F 48-port Gigabit L3 Switch with 10-Gigabit Uplink

- IPv4/IPv6 Routing
- L3 advanced routing protocols, OSPF, DVMRP, VRRP and ECMP
- Optional modular 10 Gigabit Ethernet support
- Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization
- Guest VLAN
- IGMP Snooping v1, v2, v3, MVR
- sFlow, CPU protection
- RSTP, MSTP, MRSTP, VRRP
- Removable fan and power modules



GS2210 Series Gigabit L2 Switch

- Fully managed Layer 2 switching solution
- GbE RJ-45 and GbE SFP connectivity
- Complies with IEEE 802.3af PoE and 802.3at PoE Plus
- High power budget of 375W (24HP/48HP) and 180W (8HP)
- L2 multicast, IGMP snooping, MVR and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
- L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control
- Future-proofed with IPv6 support
- Limited life-time warranty*

* Warranty terms, service availability, and service response times may vary from country to country or region.



NXC2500 Wireless LAN Controller

- Centralized management for up to 64* APs
- ZyMesh mitigates complex, inconvenient cabling Wi-Fi deployments
- Client steering enhances efficiency of wireless spectrum utilization
- Auto healing maximizes Wi-Fi service availability
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

* Management of 64 APs is supported with firmware version V4.10 above

About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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