ZyXEL

Success Story

Turkish Business Hotel Uses ZyXEL's Security Solution to Enhance Guest Experiences

"It is very important for us to provide seamless Internet services as we will be accommodating distinguished guests from the business community. We try to make our guests feel at home, striving to provide an environment free of problems. That's why a non-stop and powerful communication infrastructure is very important to us. I believe that we have acquired the most optimal solution thanks to ZyXEL technologies."

Mustafa Küçükçakan
General Manager,
Fesa Business Hotel

Overview

Customer Name
Fesa Business Hotel

Customer Industry
Hospitality

Challenges
• Provide guests non-stop, high-speed Internet service
• Busy, centrally-located business hotel requires robust security
• Manage all Wi-Fi connections from single location

Solutions
• Unified Security Gateway

• Web Server Log Analyzer
• Gigabit Layer 2 Managed Switch
• Gigabit Smart Managed Switch
• Wireless LAN Controller
• Unified Access Point

Benefits
• All rooms and public areas receive fast, non-stop Internet access
• Ability to keep Internet logs enables hotel to comply with local governmental regulations
• New network infrastructure facilitates ease of upgrade and expansion at fast-growing hotel

Background

The accommodation choice of savvy travelers, Fesa Business Hotel in Turkey's Kocaeli Province is located about 30 miles east of Istanbul on the northern shore of the Sea of Marmara. Recently established in the Gezbe District industrial zone, the centrally located business hotel is the latest of a series of family-run hotels that began with the founding of the 16-room Saray Hotel outside of Istanbul in 1960. The modern hotel includes a restaurant, bar, full complement of meeting and conference rooms, gift shop, and offers sauna and Turkish bath facilities on-site.

Challenges

As part of the overall mission to offer high quality services to the growing business community in Gezbe and the surrounding areas, the Fesa Business Hotel needed to create a network infrastructure that allows guests to enjoy non-stop, high-speed connections in all rooms as well as public areas. In addition, the hotel needed to comply with Turkey's Internet Act, also known as Law No. 5651, which outlines a broad set of regulations for Internet use and content.

Another consideration was the need for network scalability in one of Turkey's fastest growing areas. Hotel network administrators wanted to ensure ease of expansion and upgradeability when they chose a new wireless solution and network infrastructure addition. To improve efficiency, they also wanted to gain the ability to manage the wireless network from a single location.

Solutions and Benefits

After surveying the possibilities, network administrators selected the Wi-Fi solution proposed by ZyXEL. With the introduction of ZyXEL's Web-based Log Analyzer, the hotel can accommodate up to 150 simultaneous guests log-ins. Combined with use of ZyXEL's USG 1000 firewall solution, this delivers the performance and network security. The hotel is able to use the Log Analyzer to fulfill local ordinances that provide corporations with legal measures against possible defamation and protect them against malicious acts by organized crime and terrorists attempting to use network resources. Fesa can keep the Internet logs in case they are needed.

ZyXEL NWA5123-NI wireless access points provide all guests with

non-stop Internet access in all areas on the hotel grounds. Network administrators are able to easily manage the upgraded network thanks to the NXC2500 wireless LAN controller.

As a result, guests and employees at the Fesa Business Hotel now enjoy non-stop, secure, and fast Internet services. The hotel has not only made a long-term technology investment for the future, but is has established an infrastructure that is easy to manage, compliant with local government regulations, and is able to satisfy all customer needs.

Product Used

USG 1000
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)

Vantage Report
The Network Report Analyzer

- Centralized logging & reporting
- Comprehensive set of predefined reports
- Easy-to-understand graphic reports
- Customizable scheduled reports
- Real time event monitoring

GS3700-48/48HP
48-port Gigabit L2+ Switch

- Full Layer 2 feature set with Layer 3 features including static routing policy-based routing, VRRP and ECMP support
- Four (4) Gigabit SFP uplink flexibility
- 48 ports of Gigabit Ethernet desktop connectivity
- Hot-swappable power supply and fan modules
- Internal redundant power supply design
- High PoE power budget up to 1000 W

GS1910-48
48-port Gigabit Smart Managed Switch

- Advanced Smart Gigabit L2 ACL switching features
- 88 Gbps non-blocking switch fabric
- Supports IPv6

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 or above

NWA5123-NI
802.11 a/b/g/n Dual-Radio Unified Access Point

- Ceiling and wall mountable
- Plenum rated housing
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- 2.4 GHz and 5 GHz concurrent dual-band
- High-performance RF technology: Tx Beamforming and Rx Maximum Likelihood Demodulation (MLD)

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.