ZYXEL

Success Story

WiFi Innovation Nurtures Business Incubation in Turkey

INDUSTRY SMB

CUSTOMER BTM

COUNTRY Turkey

SOLUTIONS Zyxel Nebula Solution

Overview

Challenges

- Replace entire center's network infrastructure
- Improve inadequate internet security
- Log data must be recorded per country's laws

Solutions

Zyxel Nebula Solution

Benefits

- Dashboard allows management by local partner, lowering the client's time and cost expenditure
- Guest and local network traffic is separated using VLANs
- Log data is recorded to meet local legal requirements
- Authentication is based on Turkish national ID numbers

"Our center covers an area of 1,400 square meters. We provide services including meeting rooms, sporting facilities, and seminar halls. Along with these, it's highly important that we provide fast internet access with robust security. We're very comfortable with the new solution thanks to the technology and expertise we've received from Zyxel."

Uzman Muhammed Eken
Administrative affairs manager, BTM

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Background

"If you've got an idea, you just have to go to BTM." That's how one Google user sums up Turkey's Bilgiyi Ticarileştirme Merkezi (BTM) business incubation hub, and it's an accurate description. The center brings together movers and shakers from every field with the vision of sharing expertise, insight, and connections in order to create new business success stories.

Its headquarters in the heart of Istanbul is itself impressive, featuring meeting rooms, conference halls, seminar spaces, and sports facilities spanning some 1,400 square meters.

Challenges

Of course, for institutions with a lot of floor space and a high number of visitors, fast and secure internet infrastructure is non-negotiable. In addition, BTM's business-oriented user base invariably handles financial and related sensitive information, necessitating safe and secure surfing.

And, being in Turkey, this project involved another requirement. This one was specific to the country's laws, which mandate the collection of log data such as users' national ID numbers.

Solutions and Benefits

For BTM's managers, this seemed like a tall order that would require the combination of multiple solutions, not to mention a long time to deploy and set up.

But, having called in Zyxel local partner MEB Bilgisayar, they needn't have been concerned. "With Zyxel's integrated network solutions, we were able to implement the solution in a very short period of time," MEB Bilgisayar general manager Eri Mustafa Nur said.

The key was selecting an integrated, cloud-based solution, namely Zyxel Nebula. At the heart of BTM's network is a 24-port GS1920 gigabit smart managed PoE switch, which routes traffic to NWA1123-AC-PRO access points placed

around the center. The dual-radio, 802.11ac APs, aside from delivering stable, high-speed WiFi transmission, can be managed remotely via the cloud. Finally but crucially was the ZyWALL USG310 firewall.

With the hardware deployed, the network is now managed remotely by MEB Bilgisayar, freeing up BTM's staff to focus on their main duties. Meanwhile, the firewall separates users' data while keeping it all private with the use of secure virtual private networks. And just as critically, the Nebula cloud management platform allows for Turkish national ID-based authentication and log-retention that satisfies the country's cyber laws.

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Solutions

ZyWALL USG310 • Unified Security Gateway

- Unified Security Gateway Firewall for small- and medium-sized businesses
- Complete network protection with firewall, Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP, and Application Patrol
- Unified security policy
- Cloud Helper makes firmware upgrades a breeze
- Device HA Pro ensures smart handover
- Hotspot management supported

GS1920-24HP • 24-Port Gigabit Smart Managed PoE Switch

- Easy-to-manage rich L2 features with user-friendly browser-based management GUI
- Supports PoE+ standard to offer 30 W per port and a high PoE power budget of 375 W
- Smart fan design ensures silent operation in both desktop and rack-mounted environments
- Supports ZON Utility and Smart Connect to simplify network management and maintenance

NWA1123-AC PRO • 802.11ac Dual-Radio Dual-Mount PoE Access Point

- NebulaFlex™ gives you the flexibility to switch between standalone and license-free Nebula cloud management
- Nebula cloud management allows easy deployment, real-time configurations, and access to all your access points anytime
- Dual-optimized antenna for optimal performance in wall- and ceiling-mounted installations
- 802.11ac 3x3 support for combined data rates of up to 1.75 Gbps
- Robust build quality including solid-state capacitors to ensure long life and operational reliability

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.