

OVERVIEW

Located near the coastline, the four-star Club Magic Life beach resorts, Africana Imperial and Penelope Imperial, are of the most popular choices in Tunisia when it comes to relaxing holiday vacations.



REQUIREMENTS

- Separate authentication methods and usage policies for hotel guests and staff
- Seamless and fast roaming between individual access points to ensure uninterrupted Wi-Fi experience
- Centralized network management for easily monitoring the status of access points and connected users
- Customizable Club Magic Life Wi-Fi login page for service consistency

SOLUTION

The following were deployed in both Club Magic Life Africana Imperial and Penelope Beach Imperial's properties:

- **WHG405** Wireless LAN Controller
- **EAP110** Wireless Access Point

BENEFITS

- Web-based user authentication supporting all types of mobile devices
- Reduced deployment time with automatic AP detection and configuration
- Support for multiple devices per account bringing convenience to users
- Extensive logging and reporting features for security and troubleshooting purposes
- Bandwidth control ensuring that network bandwidth is not be consumed entirely by individual clients

ENJOYING WI-FI & OLIVES AT CLUB MAGIC LIFE TUNISIA

As two of the most popular four-star resorts in Tunisia, Club Magic Life Africana Imperial and Club Magic Life Penelope Beach Imperial are both well-known for delivering impeccable holiday experiences to couples and families. In fact, they were awarded Travelers' Choice 2013 "Top Hotels" and "Best Service" by TripAdvisor, one of the most reputable travel websites. Every year, the two resorts are hosts to a large number of travelers from all around the world. In recent years, hotel management realized that more and more business and leisure travelers are carrying mobile devices such as smartphones and tablets. This phenomenon resulted in an increased demand for stable and pervasive Wi-Fi access, leading the hotels to acknowledge the necessity of deploying wireless network infrastructure.

Both of the Club Magic Life resorts are vast properties, with Africana Imperial and Penelope Beach Imperial containing 50,000 and 120,000 square meters, respectively. Furthermore, each resort houses more than 300 guest rooms for families and couples. Thus, the team at Club Magic Life faced three primary challenges when considering Wi-Fi deployment. First, to provide uninterrupted Wi-Fi coverage in such wide area, it was necessary to deploy APs supporting fast roaming to avoid interrupted connections and repetitive logins. Second, due to the scale of the project, it was essential to set up, monitor, and maintain the APs from one central platform in order to reduce deployment time and maintenance effort. Finally, the IT teams at each hotel wished to separate guests from staff, assigning access rights and network policies based on the role of each user.

After a comprehensive evaluation of several competing solutions, Club Magic Life chose 4ipnet for both of its resorts, deploying a WHG405 to manage 100 EAP110 at each site. The WHG405 is a wireless LAN controller that enables centralized management of Layer 2 or Layer 3 APs, provides AP load balancing, and guarantees seamless roaming between APs. In addition, it authenticates Wi-Fi users, supports multiple devices per user account, and can perform traffic shaping to limit bandwidth usage. On the other hand, the EAP110 is a single radio 2.4 GHz indoor access point, supporting up to 300 Mbps data rate with wireless QoS and layer 2 firewall capabilities to ensure optimal connectivity.

Not only did the 4ipnet deployment address the Wi-Fi challenges faced by the hotel, but it also provided several advanced security features that the resorts found beneficial. For example, station isolation on the EAP110 prevents clients connected to the same AP from communicating with each other, deterring potential hackers from using the wireless network to access others' devices. Additionally, VLAN tagging segments the network and adds an additional layer of security by associating traffic from different SSIDs with different VLAN IDs. On the WHG405, extensive logs and reporting features provide a method for easily tracking and preventing malicious activity. By enabling enhanced security functions such as these, Club Magic Life was able to increase the reliability and robustness of the Internet service that it provided to its guests.

With 4ipnet's manageable WLAN solution, Club Magic Life Africana Imperial and Club Magic Life Penelope Beach Imperial continue to ensure a fabulous vacation experience for guests, allowing them to maintain Internet connectivity while enjoying the holidays near the Mediterranean coastline. Travelers can rest assured that their beautiful Tunisian vacation photographs can be instantly shared on Facebook with their friends and family.