HOSPITALITY

Pickalbatros Dana Beach Resort Hurghada

Customer Profile

Name: Dana Beach.
Sector: Hospitality.
Capacity: +3000.
Location: Sahl Hashish Road Hurghada,
Red Sea Egypt.

System Integrator:
Orbit

Partner:
Domain ITSP

BRIEF

With its huge 181,000 m² area, Pickalbatros Dana Beach Resort is a five-star dream for anyone looking for a peaceful escape. It is 15 minutes from Hurghada International Airport, where lush landscapes, sparkling lagoons and pools are blended between three-level buildings.

CHALLENGE

- Customers often require access points in hotels to ensure reliable and high-speed internet connectivity during their stay.
- Access points enable guests to connect their devices to the hotel's network,

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facilitating communication, entertainment, and work-related activities. This access is essential for a positive guest experience and can influence their overall satisfaction with the hotel.
- 7 buildings and our user base ranges from 2000 to 4000 users.

- **Reliable Connectivity:** Customers expect stable and reliable Wi-Fi connectivity throughout the hotel premises, including rooms, common areas, and meeting spaces.

- **High-Speed Internet:** Fast and efficient internet access is crucial for guest satisfaction, especially for activities like streaming, video conferencing, and downloading/uploading large files.

- **Secure Connection:** Customers prioritize a secure Wi-Fi connection to protect their personal and sensitive information while using the hotel's network.

Coverage and Capacity Planning: Ensuring consistent and sufficient Wi-Fi coverage throughout the hotel, especially in areas with high guest density, can be challenging. Balancing coverage and capacity is crucial.

Scalability: Designing a network that can easily scale to accommodate a growing number of guests and devices is a challenge, especially in larger hotels or during peak seasons.

Bandwidth Management: Allocating and managing bandwidth effectively to meet the diverse needs of guests, such as streaming, conferencing, and browsing, requires careful planning.

SOLUTION

- **Access points** Omada

- **866 units** of EAP615-Wall (AX1800 Wall Plate WiFi 6 Access Point)

- **15 units** of EAP245 (AC1750 Wireless MU-MIMO Gigabit Ceiling Mount Access Point)

- **2 units** of EAP115 (300Mbps Wireless N Ceiling Mount Access Point)

- **6 units** of EAP650-Outdoor (AX3000 Indoor/Outdoor WiFi 6 Access Point)

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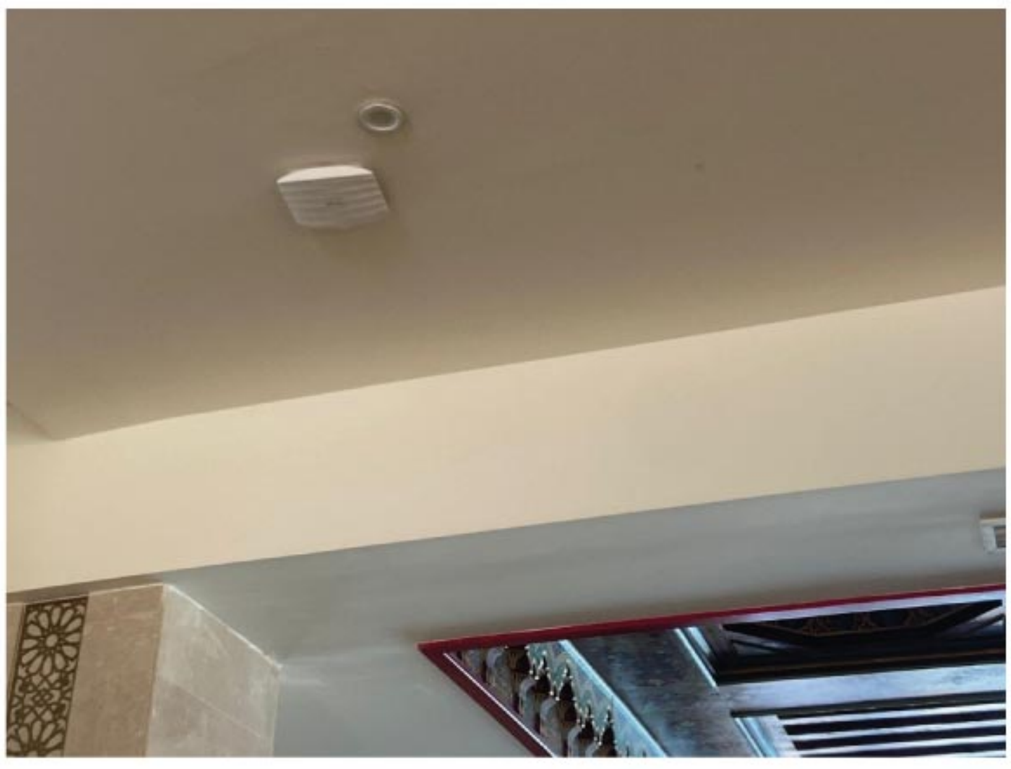
TOPOLOGY

Centralized Controller:
-A central controller is often employed to manage and monitor all the Access Points in the hotel.
- The controller facilitates centralized configuration, firmware updates, and monitoring of network performance.

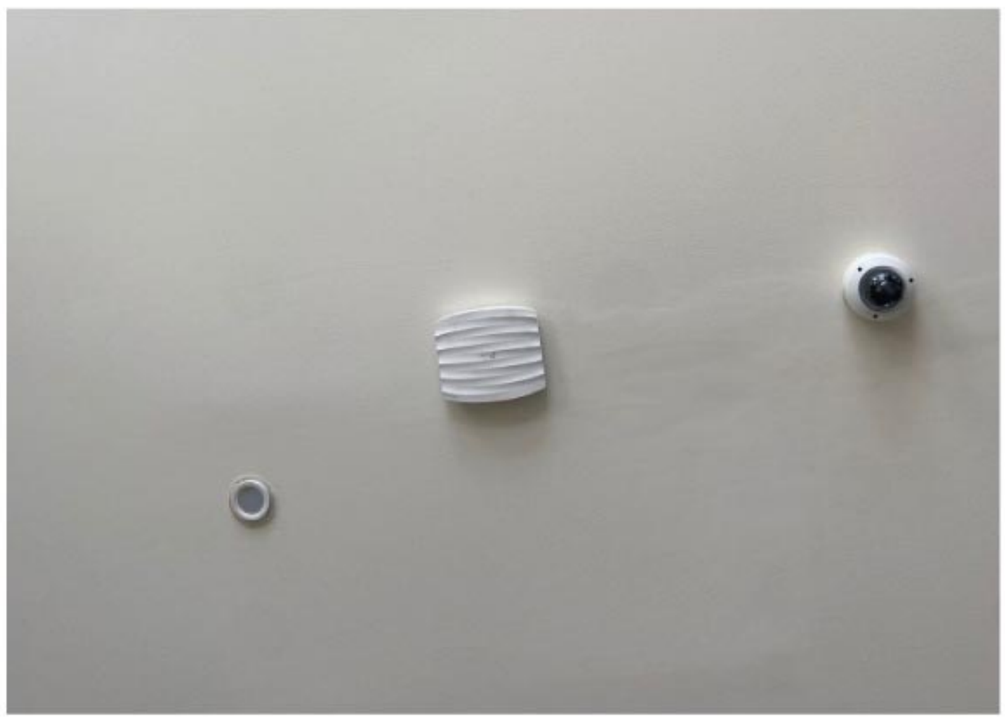
Distribution of Access Points:
- Access Points are strategically placed throughout the hotel to ensure optimal coverage in guest rooms, corridors, lobby, meeting spaces, and other common areas.
- The distribution aims to minimize dead zones and provide a seamless transition between APs as guests move within the premises.

SSID Configuration:
- Multiple Service Set Identifiers (SSIDs) may be configured to differentiate between guest and staff networks, providing secure and segregated access.



Scalability Considerations:
- The topology is designed with scalability in mind to accommodate the increasing number of guests and devices, especially during peak seasons.

By incorporating these elements, the APs solution in a hotel aims to provide reliable, secure, and high-performance Wi-Fi connectivity for guests throughout the entire premises.



BENEFIT

Connectivity and Speed:
- Guests appreciate fast and reliable Wi-Fi throughout the hotel. Positive feedback often highlights seamless connectivity and quick internet speeds.

Coverage:
- Positive comments may focus on extensive coverage, ensuring a stable connection in various areas, including rooms, lobby, pool, and meeting spaces.

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