CASE STUDY
THE PALACE

THE PALACE

About The Palace

The Palace is of the most well-known and popular boutique hotels located in Bahrain. The Palace is a wonderfully appointed hotel inspired by leading boutique hotels around the world located in the heart of the city.
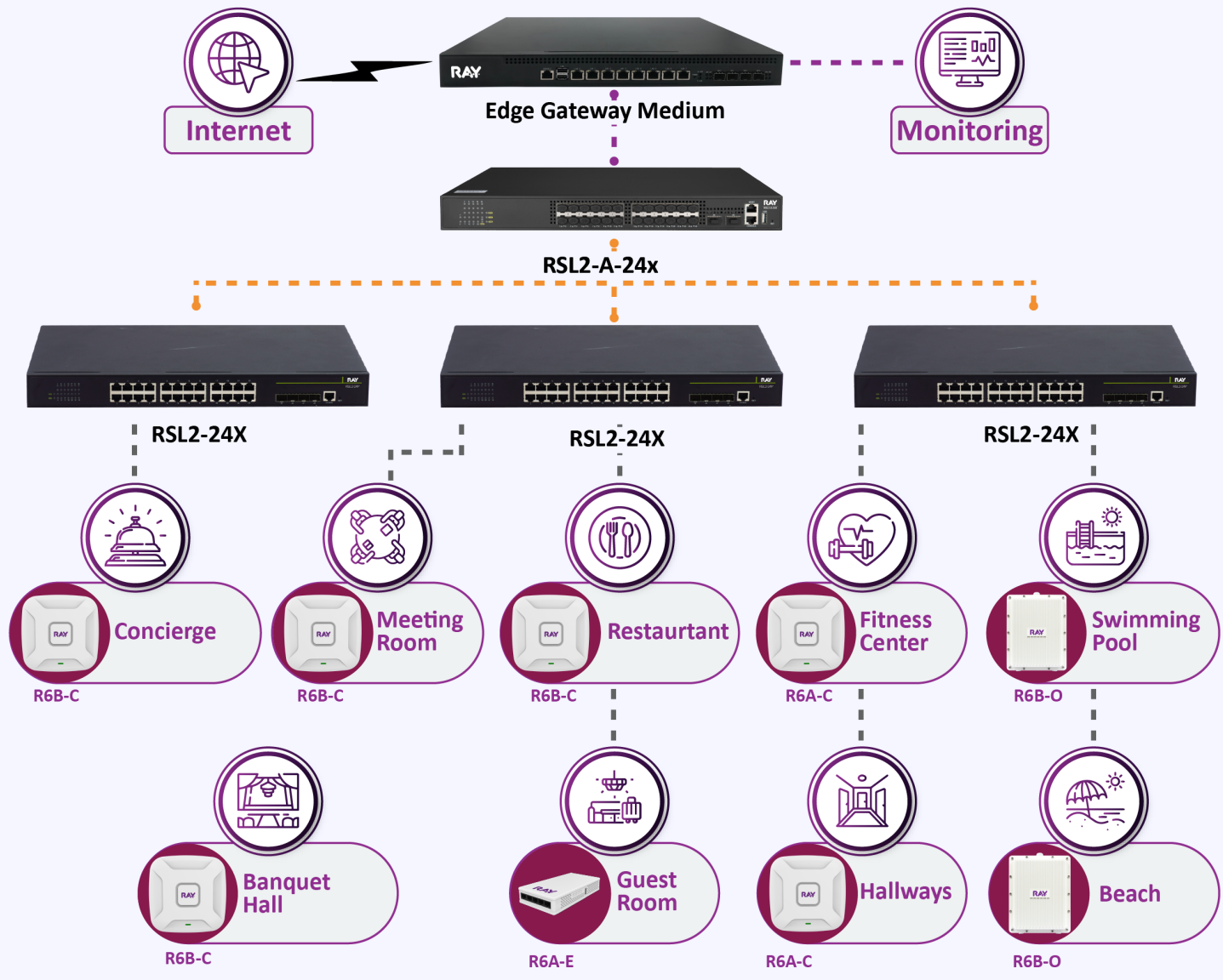
www.thepalace.com.bh/

The Palace with Ray

The Palace as a hotel has to manage and maintain a large amount of technology and equipment, such as computers, servers, and networking infrastructure and maintaining privacy & confidentiality of data, with security being one of the most important needs used Ray Edge Gateway Solution – Ray Edge Medium, Ray 24 Port Switch & Access points: R6A-C, R6A-O & R6A-E.

Requirements

› The Palace being one of the biggest Ensuring the security and privacy of guests personal and financial information.

› Keeping up with the latest technology trends and implementing new systems and software to improve guest experiences and operations & providing 100% uptime was a necessity.

› As The Palace had a 100% uptime requirement for managing and integrating various systems, such as property management systems, booking and reservation systems, and point of sale systems.

› Training staff to use and troubleshoot technology and systems.

RAY
Secure Networking

Hospitality Use Case : Architecture & Standard Deployment

Internet

Edge Gateway Medium

Monitoring

RSL2-A-24x

RSL2-24X

RSL2-24X

RSL2-24X

Concierge
R6B-C

Meeting Room
R6B-C

Restaurant
R6B-C

Fitness Center
R6A-C

Swimming Pool
R6B-O

Banquet Hall
R6B-C

Guest Room
R6A-E

Hallways
R6A-C

Beach
R6B-O

Ray Edge Gateway

Ray Edge Medium
Branch Gateway
› WAN/LAN
› 8x1G
› 4x1GSFP/10GSFP+
› Cellular
› USB Dongle Support for Cellular

Ray Switch

RSL2-A-24X
Cloud-managed
› L3 Switch
› 24 Port 10GbE (SFP+)
› 2 Port 40GbE (QSFP)
› Switching capacity: 640 Gbps
› Forwarding rate: 480 Mpps

RSL2-24X
Cloud-managed
› L2+ PoE Switches
› 24 Port 10/100/1000 Base-T
› 4 Port 100/1000 Base-SFP+
› 370 W PoE+ Power

Ray Access Point

R6A-C
› Wi-Fi 6 (802.11 AX)
› 1800 Mbps
› 2x2:2
› General Purpose
› Fits most Indoor Use Case

R6A-E
› Wi-Fi 6
› 1800 Mbps
› 2x2:2
› Wall Plate Form Factor
› Hospitality Use Cases

R6B-C
› Wi-Fi 6 (802.11 AX)
› 3600 Mbps
› 4x4:4
› High Density Use Case
› Ultra-High Performance

Powered by

RAY ONE

Solution

› Ray provided cloud-managed Edge Medium devices as well as 24 Port Switch & Access points like R6A-C, R6A-O & R6A-E.

› Ray One's Captive Portal feature makes the Guest experience personalized as well as provides username and log-in for guest security.

› Ray also created some Special Remote Users who could use the Ray SD-WAN endpoint software and connect to the SD-WAN network remotely to help their teams in case the physical device goes faulty.

› Ray helped The Palace with R6A-E which helped them in setting up multiple LAN Ports for Phone, as well as multicast for IPTV in each room, using multicast, IPTV providers can deliver video content to multiple users at the same time without having to use excessive bandwidth or other resources. This allows for efficient distribution of content, which can help reduce costs and improve the quality of service for IPTV users.

› For security, all the traffic was blocked, only allowed the hotel booking software for smooth booking management.

› Ray provided hardware which can take multiple broadband/ILL links as well as 2 sim cards all the same time and can balance actively between all of them to ensure 100% uptime

Key Takeaways

› Ray helped The Palace with R6A-E which helped them in setting up multiple LAN Ports for Phone, as well as multicast for IPTV, RCA-C for the corridors as well as lobby and R6A-O for the outdoor.

› Due to Ray's Central Cloud: ONE, very easy to operate even for a layman. The device only needs to be shipped to the branch and even a non-technical user can plug the device and rest all configurations are be done remotely.

› Ray helped them deploy faster and more secure SD-WAN connections.

Ray Pte. Ltd.
ray.life | sales@ray.life
Suite #09-01, 20 Collyer Quay, Singapore 049319