

IMMERSE IN TROPICAL SPLendor AT ROYAL ISLAND RESORT & SPA

Amidst the sparkling jewels of the Indian Ocean, Royal Island Resort & Spa, an exquisite Maldives luxury hotel located on a private island fringed by white sandy beaches and emerald waters, shines and dazzles above all. Nestled among luxuriant banyans and lush palms, the resort is a perfect getaway to relax and unwind. However, in this connected world, even when guests are on vacation, they demand Internet connectivity throughout the property. To guarantee customers with superior experiences, reliable and high-performance Wi-Fi network must be in place to keep the guest experience at top notch level.

Royal Island Resort & Spa's wireless connection was not ideal. Its legacy infrastructure was not providing the needed coverage as more mobile devices were hitting the network. This was becoming a problem within the overall guest experience. Guests were complaining about the lack of coverage and satisfaction rate was low. Those visiting Royal Island Resort & Spa are world travelers with a common demand: reliable Wi-Fi.

Following a detailed review of several vendors' Wi-Fi solutions, Royal Island Resort & Spa found that 4ipnet best met the resort's requirements. Compared to other available solutions, 4ipnet WHG gateway-controller integrates advanced AP management, user access control and centralized WLAN management into one. On top of that, with 4ipnet's billing plans and role-based policy enforcement functionality, the Wi-Fi administrator can easily create tiered Wi-Fi packages with differentiated services. Besides, the Service Zones function allows a single WHG controller to simulate multiple independent virtual networks; each can have a unique configuration of enabled authentication databases, access schedule, user policies, and independent network administrators. With this architecture, the resort was able to virtually segregate the Wi-Fi and better manage the whole network.

For access points, the resort selected two models to fit different environments and usage scenarios. EAP767 was used in the common areas, while EAP727 in the guest rooms. EAP767 is a three-stream 11ac AP designed to support up to 1.75 Gbps aggregate throughput and 384 concurrent clients. Featuring two 2x2 MIMO radios that can support up to 300 and 867 Mbps data rates in the 2.4 and 5 GHz bands respectively, EAP727 is ideal for providing wire-like performance. Furthermore, 4ipnet APs support features such as Multicast to Unicast conversion, Layer 2 Firewall, and Optimal Client Filtering, all of which ensured a smooth and uninterrupted Wi-Fi experience.

Royal Island Resort & Spa was extremely pleased with the result of the new 4ipnet solution. Mr. Shaji, the system administrator, reported that "The solution makes it really easy to manage the APs and monitor the clients' usage. After deploying 4ipnet solution, the complaints regarding Wi-Fi have notably decreased." With high performance Wi-Fi, guest can now detach from all of their worries and spend a very enjoyable and relaxing time on the island!

OVERVIEW

Royal Island Resort & Spa is a luxury hotel located on a private island in Maldives. Every year, the resort's breathtaking beauty attracts numerous visitors around the world to come and experience the very authentic Maldivian hospitality in this exotic island paradise.



REQUIREMENTS

- Centralized AP management for easily monitoring the status of APs distributed across the vast resort property
- Seamless and fast roaming between individual access points to ensure uninterrupted Wi-Fi experience
- Service Zones to virtually segregate networks between general usage and special events
- Stable Wi-Fi supports large numbers of concurrent users
- Quick account generation and Easy user authentication and data collection

SOLUTION

The following were deployed in Royal Island Resort & Spa :

- **WHG405** Wireless LAN Controller
- **EAP727** Wireless Access Point
- **EAP767** Wireless Access Point
- **SW1024** Unified Access Switch
- **SW1108** Unified Access Switch
- **SW2008** Unified Access Switch
- **SDS200W** Wireless Smart Device Server