



TNG Provides Wi-Fi Solution for City Season Al Hamra Hotel, Abu Dhabi.

Customer Name :

City Seasons Al Hamra Hotel, Abu Dhabi.

Customer Industry :

Hospitality

Challenges :

- ◆ Extend wireless coverage to entire hotel rooms and other public places in hotel (Lobby, coffee shop, meeting rooms etc.)
- ◆ Needs to be able to handle connections from a wide range of devices used by Guest in every corner of the Hotel.
- ◆ Wi-Fi Solution must be stable, efficient and affordable.
- ◆ PMS interfacing of Access Gateway.

Benefits :

- ◆ Offers expandable account management, billing and data retention capabilities ideas for growing hospitality environment.
- ◆ Provides an all-in-one solution for AP planning, deployment, monitoring and maintenance.
- ◆ Improved wireless signals in entire property including public places.
- ◆ Seamless, quick implementation of new solution meant no disruptions to Wi-Fi service.
- ◆ High-quality wireless performance means happier guests, staff, and other network users.

Solutions :

- ◆ NXC 5500 Wireless LAN controller.
- ◆ Nomadix 5800 Access Gateway.
- ◆ 802.11 a/b/g/n/ac Dual-Radio Ceiling Mount PoE Access Points.
- ◆ 802.11 a/b/g/n wall mount Access Points.

Background

City Seasons Al Hamra Abu Dhabi offers a great choice of rooms and suites and is rightly popular among travelers for a most comfortable bed

The Hotel boasts 310 rooms and suites, elegantly appointed with

modern furnishing and amenities. The spacious units make for a perfect family room with large beds, comfortable furniture and every detail for a relaxed stay.

Challenges

From an early stage, hotel management predicted rapid growth potential in the demand for Internet access and increased its importance to the guests. The hotel knew it needed to invest in a future-proof wireless access system, which would be scalable and thus cost-effective, as it would have to grow to meet the

evolving demands of guests and staff alike. Hotel Group IT Director addressed the subject of communication technology early on and realized that good quality Internet access was a value added service that should rank high on a hotel's priority list.

Solutions and Benefits

Considering poor Wi-Fi coverage in the Hotel premises, City Seasons Al Hamra hotel IT manager approached TNG to give a better Solution to overcome the weak Wi-Fi network problem. TNG team conducted a survey of the Hotel and decided to install one wall mount access point in each room of the hotel and 15 ceiling mount access points in public places and meeting rooms. These access points are controlled by a Wireless LAN controller. An Access Gateway is also installed to throttle bandwidth and billing for the premium internet service. The improved Wi-Fi network allows administration and monitoring to be conducted using wireless LAN controller.

Scalability of the network configuration with the controller enables it to be quickly and easily set up for various purposes. It also serves to mitigate the failure of individual network components. After a seamless set-up and installation process, the Wi-Fi network is now able to meet the needs of users wherever they are located on the hotel premises. Specifically, robust Wi-Fi signal coverage is provided in all parts of the hotel including the Congress business center, restaurant, administrative offices, and seventeen floors of hotel rooms.

Products Used

Nomadix AG 5800:

Designed for medium- to large-size venues, the scalability of the AG 5800 supports anywhere from 300 up to 3,000 simultaneous devices without any required hardware or software design alterations. Unlike server-based solutions, the AG 5800 is based on the VxWorks real-time, multi-tasking operating system. It's also built on Intel's high-performance processors and communication technology, sporting built-in flash memory—running faster and using less processing power. The NSE core software ensures that Internet traffic will flow seamlessly.

Key Features of AG 5800:

- ◆ Ease of use
- ◆ Bandwidth Throttling
- ◆ Reliability
- ◆ AAA
- ◆ Authentication
- ◆ Speed
- ◆ Captive Portal

Nomadix AG 5800



ZyXel NWA 5121-NI (802.11 a/b/g/n Unified Access Point):

The ZyXEL NWA5120 Series 802.11 a/b/g/n Unified Access Point is a highly future-proof WLAN solution perfect for growing business, hospitality and education environments

ZyXel NWA 5121-NI



Zyxel NXC 5500 Controller:

ZyXEL's next-generation WLAN controller, the NXC5500, is capable of extending networks flexibly and fulfilling different deploy requirements with excellent AP compatibility; and the NXC5500 can centralize WLAN management to reduce extra efforts. The NXC5500 is easy to use and scalable for hotels, education institutions, chain stores as well as small- to medium-size enterprises to configure network solutions that meet their specific needs.

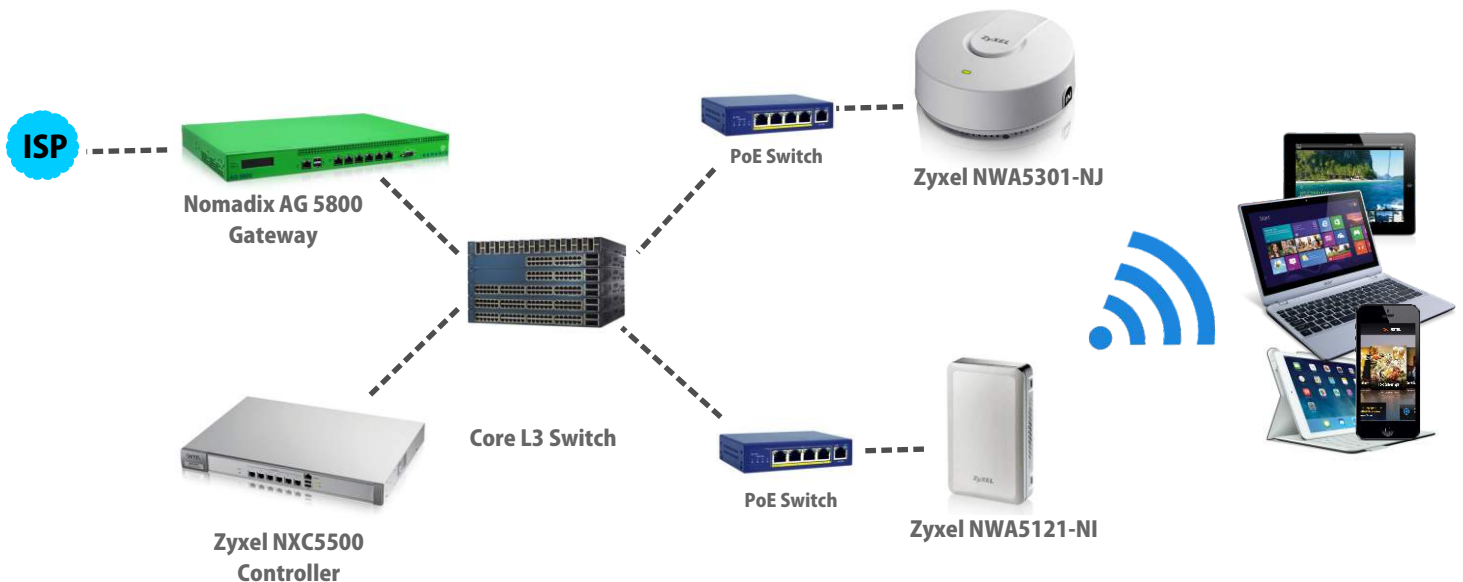


Zyxel NWA 5301-NJ (802.11 b/g/n Wall-Plate Unified Access Point):

The NWA5301-NJ with innovative wall-plate design has been conceived to provide Wi-Fi services from one room to another. To provide modern services for hotel guests, the NWA5301-NJ integrates PoE and phone connectivity in a box to extend services with minimized investment.



Diagram





Senthil Kumar (Group IT Director)

City Seasons Hotels

We are very happy with the work done by TNG for implementing IT project for our chain of Hotels. The people at TNG are truly experts in their field and we strongly recommend them for any complex and difficult project. They are professional, intelligent, resourceful, and dedicated team players. We have upgraded all our hotels with their Wi-Fi Solution. The Wi-Fi solution came at fraction of cost compared to other vendors in market and Team TNG was involved in all aspects of solution. We have replaced known Wi-Fi brands with TNG solution. Main criteria for us to choose a vendor who can support us for full term after installation, and TNG has done excellent in terms of timely installation and after sales support.



Vijay Raj Pandey (IT Manager)

City Seasons Al Hamra, UAE

Their ingenious suggestions enabled us to develop a sound approach for Wi-Fi coverage problem and their perseverance and dedication enabled us to develop and deliver a flawless Internet for Hotel Guests.

The Network Guide (FZC) popularly known as TNG is an ISO 900:2008 certified leading system integrators and value added distributors in Middle East. Headquartered in Dubai UAE with its branches in Saudi Arabia, Qatar and Kuwait, Our Company is one of the most well established and fastest growing companies in the IT industry. TNG provides superior solutions for managing the implementation of IT & communication serving both the domestic and the international sectors. We bring a fresh and innovative approach to consulting services, acting as liaison between the end-user and the hardware and software distributors. Our goal is to exceed the expectations of every client by offering outstanding customer service, increased flexibility, and greater value, thus optimizing system functionality and improving operation efficiency. Our employees are distinguished by their functional and technical expertise combined with their hands-on experience, thereby ensuring that our clients receive the most effective and professional service.

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