

# DrayTek

## Solution Case Study

Product : DrayTek 3300V & 2820n Routers  
Client : Maxwell's Restaurants  
Partner : Misco, Greenock  
Project : VPN Links & WiFi Internet



[www.maxwells.co.uk](http://www.maxwells.co.uk)

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*"We required a proven solution for a reliable link between all of our restaurants and head office and identified security as being critical to the project. We were particularly impressed by the CSM (Content Security Management) features of the DrayTek products and the ability to separate company and guest data for convenient wireless access."*

**Luca Settimo, IT Manager**

### About the Client

Maxwell's Restaurants operates from 12 locations around London including the famous Cafe de Paris, Cactus Blue and flagship Maxwell's Restaurant in Covent Garden. Founded in 1972 by Brian Stein, Maxwell's now employs over 500 staff.

### The Requirements

Maxwell's is based in Covent Garden and the requirements were for an ADSL-enabled router/firewall setup that could be used by Maxwell's home workers, customers, performers to provide Internet access, and provide inter-office connectivity. The main objectives for the project were identified as follows:

- I Provide access between the remote branches (other restaurants in the group) to access head office systems.
- I Advanced security features to ensure customer and Maxwell's corporate traffic could be separated.
- I The user interface and administration should be easy to operate to minimise training of IT staff and make it easy for customers and performers to use wireless network.
- I Provide wireless (WiFi) access to the Internet for customers and performers at each location.
- I Connections to two ADSL lines, with ability to provide load balancing across both lines, providing increased bandwidth and also redundancy (failover).
- I QoS - the facility to give priority to 'mission critical' company data transmission (compared to regular Internet browsing).

### The Solution

Maxwell's contacted **Misco** and outlined their requirements. Misco recommended the DrayTek Vigor 2820n router for this requirement.

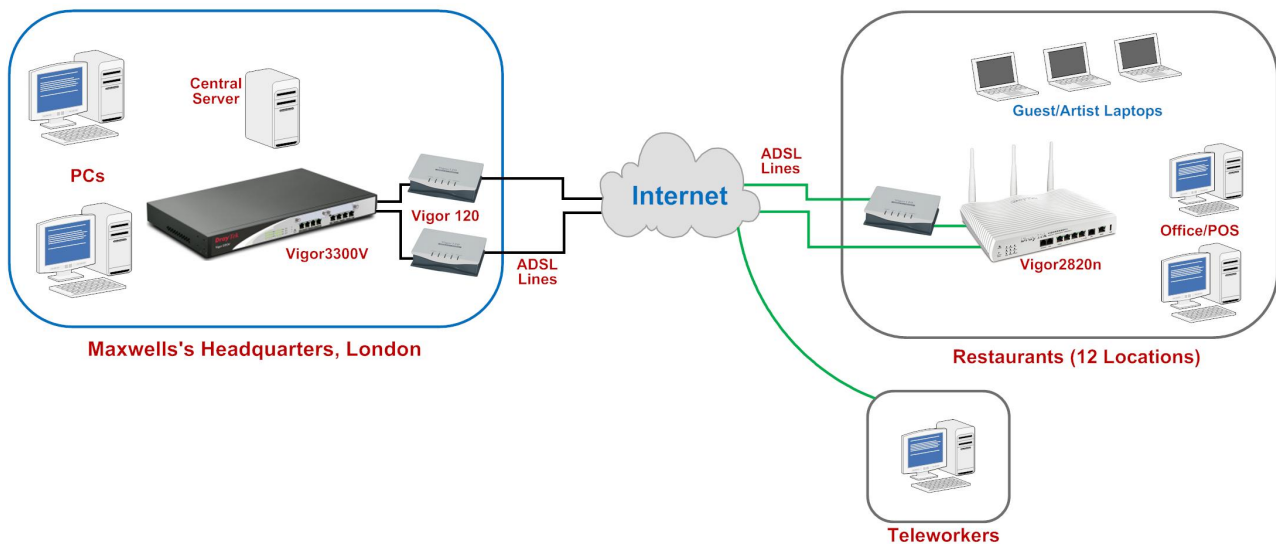
Maxwell's had already deployed a DrayTek Vigor 3300V firewall router at their head office previously which could now act as the VPN concentrator (endpoint). Each of the remote sites now has a Vigor2820n to create the VPN (Virtual Private Network) which takes advantage of a high speed / low cost internet connection to link the sites without compromising security.

The Vigor2820n's are connected to two ADSL lines to maximise bandwidth and provide resilience in the event of one of the broadband connections failing. The increased throughput from the two ADSL lines also enables wireless access (WiFi) to guests without impacting on their own corporate data. Using the Vigor 2820n's multiple SSID feature, guest & staff wireless traffic can be completely isolated.

In addition to using the abundant security features on the Vigor 2820n routers, Maxwell's also use the QoS (Quality of Service) feature on the 2820 router to ensure that corporate traffic is given the highest priority. Maxwell's also has 15 remote staff (teleworkers) connecting to their head office via VPN connections.

*"We have been delighted with the reliability of the routers and the whole solution. It did exactly what we needed.. DrayTek has consistently updated the firmware for the routers adding even more useful features and the load balancing and QoS features have worked a treat"*

## Maxwell's Restaurants - Network Topology (Simplified)



A Vigor 3300V was installed at Maxwell's HQ with a pair of ADSL lines to provide redundancy (failover) and load balancing. At each restaurant, a Vigor 2820n ADSL router was installed with an additional Vigor120 ADSL modem for a second ADSL line to provide the same redundancy (continued connectivity if one ADSL line fails). At each restaurant, the Vigor2820n provides WiFi connectivity for guests and visiting artists (the restaurants host live music). For restaurant/bar operations, the routers at each end create secure VPN tunnels, using the Internet to transfer company data. The routers' QoS facilities ensure that company data always has higher priority over regular Internet access. Maxwell's also has 15 remote 'teleworkers' (remote workers) who use secure VPNs to connect into the restaurants, from anywhere.

### About DrayTek Corp.

DrayTek Corp. was established in 1997 with a mission to design and build premium networking products to help business make their most of the online connectivity. DrayTek's product lines range from enterprise-level firewall Security, VPN facilities for teleworking and branch-linking, versatile xDSL CPE, Switching, Voice-over-IP and wireless solutions:

- I Complete range of WAN Security/Routing products
- I Headquarters, Taipei, Taiwan, ROC
- I Specialising in innovative networking products
- I Worldwide Distribution and offices
- I Listed on Taiwanese Stock Exchange 2004
- I 180 employees worldwide, 45% R&D
- I ISO 9001 Certified



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