VIRTUAL ACCESS

SMART NETWORK SOLUTIONS
FOR SERVICE PROVIDERS

Multi-path Lottery Connectivity

Client Requirement Summary

- Infrastructure refresh
- Multiple IP-based terminals and network resilience
- Large amount of sites, fast installation time

Key Benefits

- HSPA connectivity
- Four 10/100 Mbps Ethernet VLAN switch for port-based VLAN segmentation
- Built-in ADSL2+ and 3G for network redundancy
- Remote provisioning for routers
- Onsite router configuration and pre-staging not required
- Remote monitoring for call history, up/down status, viewing if the terminal is connected to the router

Requirement

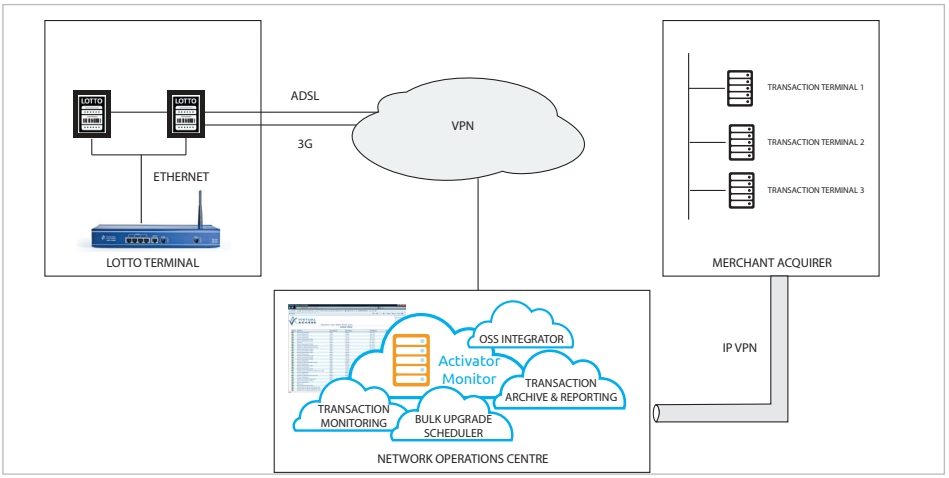
The client is a European lottery network that required an infrastructure refresh to include multiple IP-based terminals and network resilience.

The lottery network resilience needed failover from one broadband medium to another with encryption required over both networks. As the lottery network refresh included installing additional terminals at each site, a multi-Ethernet port router was required. Another aspect of the challenge was the large number of sites combined with an aggressive roll out plan. Installation time had to be reduced to a minimum.

The Solution

Because multi-path network resilience requires failover from one broadband medium to another, the GW6000 Series router was recommended. The primary interface is ADSL2+ with failover to HSPA. It also has four port 10/100 Mbps Ethernet VLAN switch offering port-based VLAN segmentation. The four Ethernet ports can be configured as separate Ethernet segments with firewalling between them. Both auto-detection and manual selection of speed and duplex are provided. As part of this solution, the VLAN switch was segmented into a multimedia, lottery terminal and management subnets.

To address the large amount of sites and the fast installation requirement, the Virtual Access provisioning system, Activator was used to provision and monitor the routers remotely. The client did not have to pre-configure any of the routers before shipment to the customer site.



Virtual Access (Ireland) Ltd., 15 Trinity Enterprise Centre, Pearse Street, Dublin 2, Ireland. Tel: +353 1 604 1800 Fax: +353 1 670 5380