

Your own Private Network

VPLS, or Virtual Private LAN Services is an innovative technology that allows geographically spread locations to connect together on the same Local Area Network (LAN).

By applying this technology to our broadband services, Academy Trusts can connect all their schools securely regardless of location and share multiple services such as voice, video and data.

Whilst the multiple services will appear to be on the same Local Area Network, the VPLS technology can keep each service separate, providing added security, simplicity, economy of scale and quality of service.

Delivering savings all round

VPLS technology means you can manage multiple school networks, servers and devices across multiple locations from one central point.

Centrally hosted Windows Active Directory and file storage is a good example of this. Typically a primary school would purchase its own server for the required Microsoft functions on their network. This might cost circa £2000 and will require upgrading every 4 years. A secondary school could pay £20,000 for the storage of larger quantities of data.

For a 10 site Multi Academy Trust with 3 secondary schools and 7 primary schools, this would equate to £74,000 and would require future refreshments.

If just one of the secondary schools installed a Schools Broadband high capacity link with hosted servers, the cost could be easily halved. This represents large savings for Academy Trusts in capital spend and ongoing maintenance and software licences.



Benefits of a VPLS based Network

Resilient internet bandwidth is shared between all sites within The Trust.

A VPLS network gives you gives you a 100% secure private data network

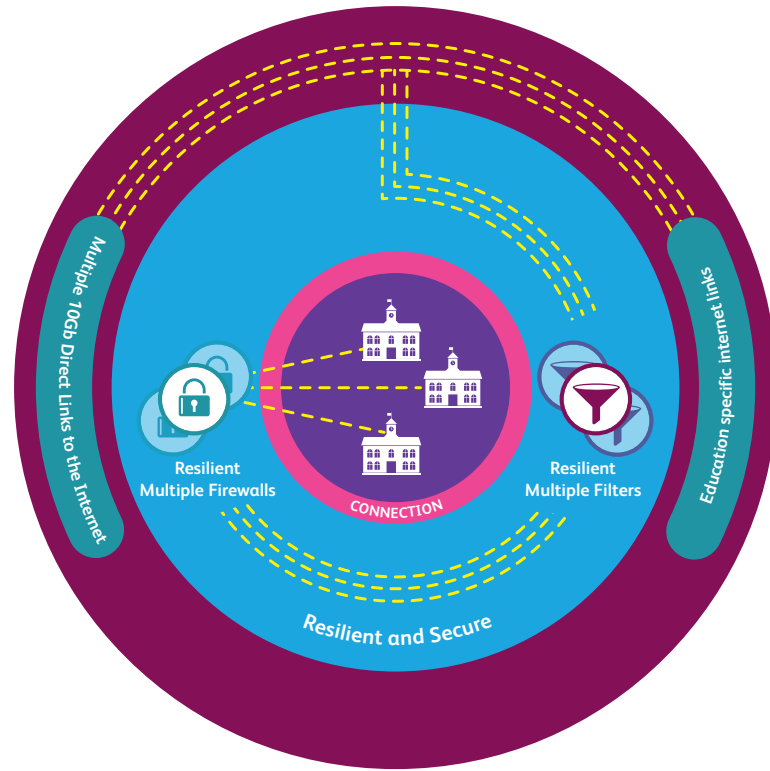
It offers simplified network management making it easy to add and change sites

It reduces administration enabling easier network planning reducing management and equipment costs

It is a fully supported product with true end-to-end quality of service, intelligent distribution of bandwidth and six classes of service

It reduces network complexity meaning lower latency and improved efficiency between sites (no router hops)

Virtualisation and replication is much easier as there is no routing to contend with converged voice & data networks on multiple VPLS connections



Guaranteeing end-to-end quality of service

Our network fully supports end-to-end quality of service (QoS), and because of the way VPLS runs over it, this enables your network administrators to guarantee different speeds and bandwidth allocations for different applications.

This guarantees your applications will work quickly and effectively 24 hours a day, 7 days a week, 365 days a year. Your network administrators can even manage this themselves.

Any applications hosted on a remote site or in our data centre will work 100% of the time at the required speed, no matter how busy your WAN connection is.

As our network uses superior layer 2 based (VPLS) technology rather than layer 3 based (MPLS), it allows Academy Trusts to extend VLANs to multiple sites in your own private network / cloud. If you need a VLAN for a specific application such as VoIP, then this traffic can stay completely separate to any other general network traffic.

Find out more. Call or email:

01133 222 333 | info@schoolsbbroadband.co.uk

