

**Service Overview**

The service provides monitoring and control of all your 'remote' educational establishments sites that are connected to the London Grid for Learning (LGfL), one of the world's largest and most sophisticated metropolitan area networks. As part of the service we are committed to keeping the functionality of the services under review with the LGfL trust, with further enhancements anticipated to ensure that this remains a class leading service.

**Key features**

- Stateful-inspection firewall security is provided between your sites and the Internet, your sites and services hosted within the LGfL network, and your sites and those of any other organisation connected to the LGfL
- Virtual Private Network (VPN) functionality, which specifies which sites can communicate with each other over the WAN
- Quality of Service parameters to prioritise traffic by type
- Utilisation statistics are available of current and historical bandwidth usage of sites attached to the network
- NAT (Network Address Translation) allows mapping between private addresses within the LGfL network and public IP addresses accessing the Internet
- Support for encrypted and secure tunnelling using DES, 3DES, SHA-1 and MD-5
- Customer support service to investigate problems; deal with queries and co-ordinate changes to the service
- A User Guide is provided to enable administration of the service

**ICT benefits**

- Virtual Private Networks provide the security of a private network via access control and encryption, taking advantage of the economies of scale of using the public Internet
- Virtual firewalls providing secure access to the Internet, and separate public web activity from the internal network
- Dynamic and static Network Address Translation (NAT)
- Internet Protocol Security (IPsec) for access to remote firewalls on the Internet
- Traffic filtering
- Ability to create trusted virtual links to third parties such as the Health Authority, Voluntary Sector, etc.
- Secure and controlled access to remote desktops where the LGfL IP schema has been adopted
- Quality of Service (QoS) traffic prioritisation for effective utilisation of bandwidth
- Bandwidth utilisation reporting

**Service details**

- The firewall is maintained and updated to minimise the possibility of attack from outside the network
- A single Virtual Private Network (VPN) is provided to separate and secure all of your organisation's traffic from the traffic of other organisations within the LGfL
- Your sites within the VPN may communicate with each other only if allowed by the inter-site communication policy for the your organisation (which can be specified at the network level)
- A single virtual firewall, the associated management, and reporting are provided. Any traffic leaving or entering the VPN passes through the virtual firewall, including internet traffic and other traffic flowing between LGfL organisations
- The firewall functionality incorporates attack prevention, protecting your sites from undesirable attacks from the Internet or elsewhere within the LGfL network
- Dynamic NAT, static NAT and VPN IPsec options are provided
- An appropriate number of private and public IP address will be reserved and allocated for use by your sites

**Service details - continued**

- Quality of Service (QoS) provides three traffic priority levels across the network: real time for time-deterministic traffic such as video conferencing, high bandwidth for traffic such as video streaming, and standard for all other types of traffic
- Service Reporting includes firewall policies, traffic prioritisation, volume and type of traffic, inter-site communication configurations, possible threats to the network, and bandwidth utilisation

**Partnerships**

The service is based around products from NetScreen Technologies, INC, developers of class leading integrated security systems and appliances that combine firewall, VPN, traffic management and other security functions within a purpose-built, high-performance platform.



**NETSCREEN** Further details can be seen at: <http://www.netscreen.com/>

**For more information**

See the full Web site hosting Service Description