Anti DDoS Protection

Continue to function even during a DDoS attack.

The intention of a DDoS attack (Distributed Denial-of-Service) is to make network resources unavailable to intended users.

Schools Broadband's national network incorporates an industry-leading, hosted Anti-DDoS (Distributed Denial of Service) protection system, which has benefited from investment of nearly £0.5M in our pro-active Anti-DDoS platform.

Our enterprise solution filters all malicious traffic from real usage to each individual school, blocking multiple DDoS's the size of many Gbps every single day. It is this that allows our targeted schools to continue to function.

Reliability

Since the introduction of our Anti-DDoS platform, no school on our network has ever been taken off-line or had their Internet service degraded as a result of a DDoS attack.

Multiple Layer Protection

Our Anti-DDoS uses behavioural analysis, traffic signatures, and rate limiting, plus additional techniques to identify malicious traffic per source-address. Once the malicious traffic source is identified, it is immediately blacklisted.

Our networking stack consists of multiple layers of protection, from physical layer 1 all the way up to application protection at layer 7. Whitelists and blacklists of IP addresses are maintained very low down in this stack, and source traffic from addresses in the blacklists are blocked with the highest performance.

Once an attack source has been identified, it is added to the blacklist, and further traffic from that source is either blocked for a certain time (the dynamic blacklists) or indefinitely (the permanent blacklists).

2020 WINNER

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Find out more. Call or email
01133 222 333 or email info@schoolsbroadband.co.uk

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