

# BTnet Premium



## Distributed Denial of Service

Whether your business is a Multi-National Corporation or a SME, connectivity to the internet has become an integral route to market and a key business enabler. Your customers, employees, and suppliers depend on it: to buy, sell, access mission-critical information and for the ability to work remotely, without delays or interruptions, on both a national and global level.

As with any connectivity which uses a publicly accessible infrastructure, businesses can become susceptible to Denial of Service (DoS) attacks such as Distributed Denial of Service (DDoS), resulting in websites or internet accesses becoming overloaded and unable to handle normal business transactions. The reasons why the perpetrators of these attacks undertake these subversive actions vary depending on whether they are competitors, criminals, script kiddies, terrorists, and even disgruntled employees. The net result for your business is that this key channel to market is degraded, potentially to the point of failure.

In response, BTnet has introduced a DoS Mitigation service, designed to diminish the effect of these types of attacks on your business. Using this new service on your BTnet Internet Access will maximise the effectiveness of your online connectivity under attack conditions.

Service Description	Key Benefits
<p>BT's Denial of Service mitigates attacks by monitoring the internet traffic, to detect DDoS, DoS floods, Protocol Misuse, Worm and behaviour anomaly based attacks. The DoS service protection platform profiles normal behaviour and identifies attacks based on anomalous behaviour patterns. It allows authorised traffic to continue unaffected by the attack but filters out the attack traffic.</p> <p>The DoS platform will be able to mitigate attacks automatically or with manual intervention. In automatic mode it will be able to stop ~ 80% of malicious attacks with the rest being mitigated by manual intervention. The DoS protection service can provide post-mortem analysis report to customers.</p> <p>The customer is provided with a web portal providing visibility of attack alerts and the ability to drill down into the detail of the attack.</p> <p>This service is available as an option on the BTnet Premium internet service and is available with the following connection types: single, load sharing, failover and BGP.</p>	<p>The DoS protection platform will provide protection against</p> <ul style="list-style-type: none"> <li>• High traffic volume attacks</li> <li>• Distributed DoS attacks where the attacker has compromised a large number of ordinary internet users and the attack comes from a large number of IP addresses which are difficult to differentiate from legitimate users.</li> <li>• Reflective attacks</li> <li>• Network layer attacks</li> <li>• Attacks against specific customer servers or website service components</li> <li>• Protocol misuse attacks</li> <li>• Specific Application Layer attacks</li> </ul> <p>The DoS protection platform will enable legitimate non-malicious traffic to continue unaffected by the attack. Mitigate an attack within 10 minutes of the attack being confirmed.</p>

Key Features	Why BT
<ul style="list-style-type: none"> <li>• The service is network based, so no equipment is sited on customer premises. Stopping attacks upstream in the network is the only way to stop high bandwidth attacks congesting the customer's internet connection</li> <li>• Fast reaction time to an attack</li> <li>• Ability to mitigate multi Gigabit/s high traffic volume attacks</li> <li>• Ability to mitigate specific application layer attacks</li> <li>• Frequent upgrades to protect against new types of attacks</li> <li>• 24x7 monitoring</li> <li>• Web-based Portal provided with secure log-in for customers</li> <li>• Option for customers to see attacks in near real time via secure web access portal</li> <li>• Availability of post mortem reports on attacks</li> <li>• Resilience</li> </ul>	<ul style="list-style-type: none"> <li>• Global security practice, with qualified practitioners. BT has 1200 specialists working on security</li> <li>• Global accreditations &amp; certifications</li> <li>• First UK commercial organisation to be accredited to international security organisations FIRST (Forum of Incident Response Teams) and CERT (Computer Emergency Response Team)</li> <li>• Member of IETF (Internet Engineering Task Force), key international organisation responsible for setting security standards on the Internet</li> <li>• One of only four Commercial Evaluation Facilities (CLEFs) accredited in the UK to carry out security evaluations of systems and commercial products against the Common Criteria (CC) standard (ISO 15408) for clients globally</li> <li>• Rigorous, mandatory internal security evaluation process</li> <li>• Strategic partnerships with the world's leading security vendors</li> </ul>

For more information, please contact your BT Account Manager.