

# DDoSSX<sup>®</sup>

## SECURITY

Online attacks are increasing in both frequency and severity. UKFast has witnessed a sharp increase in DoS and DDoS attacks and it is predicted that DDoS attacks will grow to 17 million by 2020, up threefold from 2015.

### WHAT IS A DDoS ATTACK?

A Distributed Denial of Service (DDoS) attack uses many devices and multiple internet connections. These are often distributed globally creating what is referred to as a Botnet. The targeted resource is flooded with hundreds and thousands of requests from the Botnet.

DDoS attacks are hard to tackle as there is no single attacker to defend from. DoS and DDoS attacks have the sole purpose of shutting down your web servers and ultimately bringing down your website.

### WHAT IS DDoSX<sup>®</sup>?

UKFast has invested in a global infrastructure to offer our clients the very best in DDoS protection for their websites. We have built a global network that will scale over time to further develop the protection we offer.

DDoSSX<sup>®</sup> sits in front of your firewall, protecting against even the largest known DDoS attacks. It detects a range of different attack types, including the most common "volumetric flood" attacks. Additionally, you can choose to block incoming traffic from specific countries or single IP addresses.

With this global infrastructure attacks are blocked closer to the source, meaning the traffic never hits our core network here in the UK.

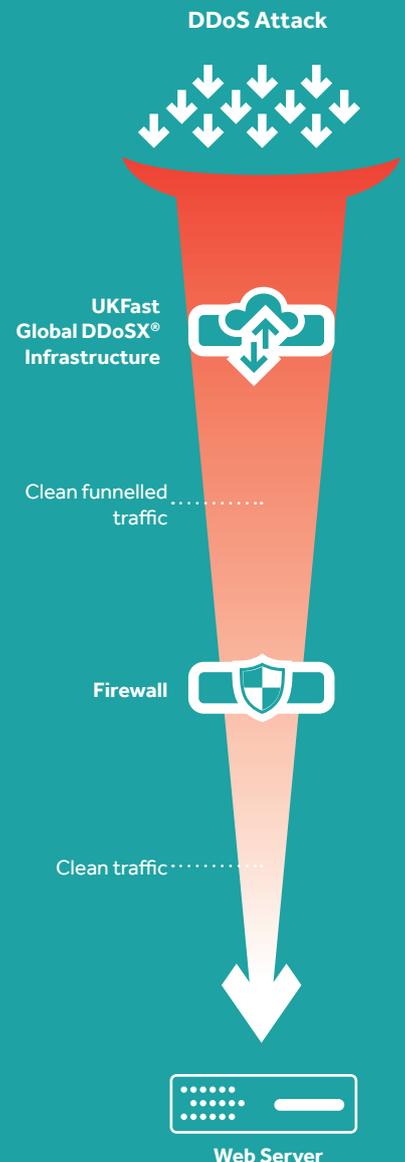
### WHY USE DDoSX<sup>®</sup> FROM UKFAST?

DDoS mitigation solutions, like DDoSX<sup>®</sup>, ensure that, should you be hit by an attack, 'bad' traffic is filtered out and only genuine requests are sent through. These solutions are in place to protect your business and enable you to continue to function as normal with minimal downtime.

Regardless of scale, you're covered for increased bandwidth, support and specialist advice. In the event that you are targeted, the impact is completely blocked.

Our DoS and DDoS specialists are here to offer consultation, analysis, security planning and implementation. They continuously assess your traffic to decide the best course of action to mitigate any attack.

## DDoS ATTACK



**PROTECTING YOUR CRITICAL DATA AND APPLICATIONS**

Defending your data and applications is now more critical than ever. Businesses storing an ever-increasing volume of user data presents a lucrative target for cybercrime. A web application firewall (WAF) is designed to ensure your data and applications are protected by blocking suspicious activity, providing comprehensive security for critical applications.

**IMPROVED RESPONSE TIME WITH UKFAST**

Accelerate your websites, videos and other assets by leveraging the power of UKFast's own global cloud network, built for speed and security. Our Content Delivery Network (CDN) brings content from your web server closer to your customer, significantly improving your website's response and load times.

<b>DDOS PROTECTION, WEB APPLICATION FIREWALL &amp; CONTENT DELIVERY NETWORK FROM DDOSX</b>	
<b>UNMETERED MITIGATION FOR DDOS ATTACKS</b>	DDoSX stops illegitimate traffic from hitting your site, no matter the attack size.
<b>TLS TO 1.2</b>	Traffic from TLS 1.2 and earlier is automatically blocked for added security.
<b>RESTFUL APIS</b>	All DDoSX management features are available via API.
<b>IP ACCESS CONTROLS</b>	Add rules to deny or allow from specific IP addresses or ranges.
<b>ANYCAST DNS</b>	Allowing for fast response times globally.
<b>LIVE DASHBOARD</b>	View live dashboard of how DDoSX is working for you. With heatmap visibility.
<b>SLA</b>	100% network uptime guarantee
<b>HSTS</b>	Ensure all of the traffic to your site is HTTPS as standard by enabling HSTS.
<b>CUSTOM ERROR PAGES</b>	Add your own custom error pages to ensure brand continuity.
<b>COUNTRY CODE BLOCKING</b>	Add rules to deny or allow access from specific countries.
<b>WAF</b>	
<b>OWASP CORE RULE SET</b>	WAF automatically protects against the OWASP recognised vulnerabilities
<b>UNLIMITED CUSTOM RULES FOR WAF</b>	Add an unlimited amount of custom rules for the ultimate bespoke protection.
<b>WAF LOGS</b>	Download and review your WAF logs.
<b>CDN</b>	
<b>CONTENT CACHING</b>	CDN caching of static content on your site to increase the performance of your site.
<b>CACHE PURGE</b>	Purge your entire cache of just a single file with CDN

