

# N4Protect DDOS & DDOS+

## DDOS Mitigation Services

**Maintaining business continuity is a key element to ensuring commercial viability, and providing comprehensive protection against malicious distributed denial of service attacks is a key element in securing against data loss and providing business confidence. Node4’s N4Protect DDoS & DDoS+ services protects customers bandwidth against volumetric and application layer denial of service attacks. It is ideal for companies with a commercial internet presence because it ensures availability for a highly competitive OPEX monthly rental cost.**

DDoS attacks are frequently launched by hackers controlling BotNets – a cloud based swarm of remotely controlled devices. In a typical attack the resource of the target system is exhausted by the demands of the BotNet, either in terms of bandwidth

or webpage requests. An attack can last for anything from a matter of hours to several days, and during this time internal

and external users will be unable to access web content and cloud services. This will impact your stakeholders as loss of productivity, share price, online revenue.

N4Protect DDoS provides a NetScrubbing service which allows us to re-direct in-bound volumetric DDoS traffic away from our ISP infrastructure. Only valid traffic is fed back in and reaches it’s correct destination. This is a reactive service based on core network alarms detecting abnormal traffic loads.

Application layer DDoS attacks are rapidly becoming the most common type of attack on UK Data Centres, and 80% of attacks are below 50Mbps – low enough to slip past the volumetric network defences. Often both types of attacks are being used in conjunction with each other, the volumetric attacks masking the more subtle applications layer exploitation.

With N4Protect DDoS+ your infrastructure is further protected proactively by an intelligent appliance in our network core which senses behaviour changes in traffic patterns. Any traffic which is detected as anomalous is blocked before it reaches the host system. This service is combined with the NetScrubbing service to protect against both “low-and-slow” application based intrusions as well as volumetric attacks.

### Key Benefits

✓	<b>Cost Effective</b> Eliminate expensive solutions by using an OPEX monthly rental solution to mitigate the risks.
✓	<b>Confidence &amp; Compliance</b> With N4Protect DDoS you can help your customers achieve compliance, and boost their confidence in your business systems.
✓	<b>Business Continuity</b> N4Protect DDoS+ keeps subscribers' services on line for the attack duration – there is no sustained loss of service either on- premises or in our Data Centre.
✓	<b>24x7x365 Service</b> Your cloud infrastructure or website is connected to the service and the Node4 helpdesk team responds to incidents 24x7.
✓	<b>Performance &amp; Scalability</b> The DDoS defences have minimal impact on throughput to your host system. Unlimited bandwidth protection available.
✓	<b>Comprehensive Protection</b> N4Protect DDoS+ defends against all attack methods with re- active volumetric protection and pro-active application protection.
✓	<b>Responsive Service</b> Our experienced and accredited engineers are dedicated to ensuring that you enjoy the best user experience through a range of support packages tailored to your business requirements.

For more information on N4Protect DDoS & DDoS+ or other products and services we offer please call our Sales Team today on 0845 123 2222 or email us at [info@node4.co.uk](mailto:info@node4.co.uk)

## Business continuity & customer confidence

### Resilience

N4Protect DDoS & DDoS+ allows your infrastructure to withstand attacks without dropping good traffic, so you won't lose revenue or productivity.

### Responsive and Pro-active

Multi-Layer defences against volumetric and application-based DDoS attacks.

### Managed and Monitored

N4Protect DDoS is a managed service so your systems are protected 24\*7 from volumetric and application layer DDoS attacks.

### Compliance

Helps you to meet your customers security compliance requirements.

## Best performance

### Fastest Throughout

Hardware accelerated for optimised packet processing, faster than competitor solutions.

### Most Effective

Detects the widest range of known DDoS attacks, as well as "day zero" attacks.

### Defends with Minimal Disruption

N4Protect DDoS maintains service to the host system and infrastructure throughout the DDoS attack.

### Proven and Tested

Ask for details of our client success stories in the war against DDoS.

## Best Technology

### Heuristics Engine

Behavioural analysis detects DDoS attack traffic based on variation in traffic patterns and use of resources.

### Hardware

The N4Protect DDoS appliance hardware is specifically designed to accelerate the processing of packets.

### Diverse Detection

Defends against both volumetric and application layer based DDoS attacks.

## Managed Services

### Reportable

Includes scheduled customer reports on the frequency and nature of suspected attacks.

### Lifetime updates

Continuously updates it's databases with recognized DDoS attack signatures and monitors traffic for them.

### Expertise

Detecting, managing and defending against various DDoS attack types requires experience and complex specialist techniques.

## Availability

### Any location

Protects the services of subscribers in Node4 Data Centres or customer premises.

### Range of Bandwidth Options

Protecting customers up to 1Gb as standard.