imperva
a Thales company

DATASHEET

DDoS Protection for Networks

Safeguard critical network assets

Distributed Denial of Service (DDoS) attacks are on the rise, and constantly evolving. The biggest DDoS attacks ever have been seen in recent times, as well as more "short burst" attack methods that attack networks and servers to slow or deny access to legitimate users. Network operations teams without proper measures in place face the prospect of network interruptions and countless hours investigating the source of attacks and trying to stop them. They look for protection that can be engaged instantaneously in the event of an attack, that is based on a global infrastructure with intelligent mitigation strategies and, most importantly, does not impact normal business. The challenge is to choose a solution that can address ever-increasing attack volumes with a variety of proven mitigation techniques for application layer, volumetric and protocol attacks.

KEY CAPABILITIES:

10 Tbps global cloud network absorbs attacks of any size

Always-on deployment option for constant protection

Flexible on-demand options

In-depth real-time monitoring and analytics

24×7 operations center backed by threat researchers at Imperva Labs

Imperva DDoS Protection for Networks

Imperva DDoS Protection for Networks is designed for organizations that need to protect an entire C Class range of IP addresses against DDoS attacks. It is the ideal solution to mitigate very large volumetric and advanced DDoS assaults that target any type of Internet protocol or network infrastructure – including HTTP/S, SMTP, FTP, VoIP and others.

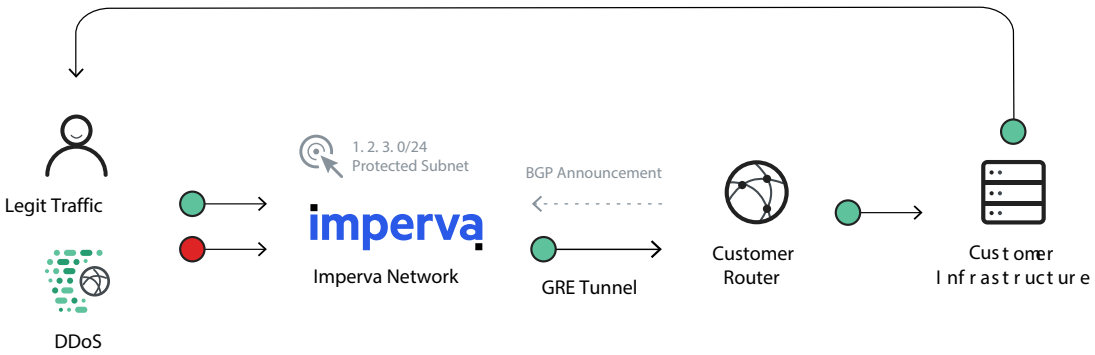

Figure 1: Like all DDoS protection services Imperva offers, DDoS Protection for Networks can manage any size, type or duration of attack with near-zero latency. No other solution comes close to the Imperva SLA of three seconds.

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Aggressive, always-on protection

Imperva DDoS Protection for Networks protects IT assets from network Layer 3 and 4 volumetric attacks designed to consume all available network bandwidth or attempting to overwhelm networking gear. We likewise protect against application layer attacks that attempt to overload the resources on which an application is running – also known as Layer 7 attacks, as well as multi-vector attacks that divert the security team while cybercriminals initiate cyberattacks.

Imperva supports multiple deployment models for DDoS Protection for Networks, including Cross Connect, GRE tunnels and Equinix Cloud Exchange. DDoS protection for Networks is available as an always-on or on-demand service, with flow-based monitoring and support for automatic or manual switchover.

Fastest attack mitigation

Imperva DDoS protection automatically blocks all assaults and does not require you to notify Imperva that you are under attack. We offer an industry-first three-second DDoS mitigation SLA for any attack, of any size or duration – but we typically block assaults in less than one second.

High-capacity network

The Imperva global network holds more than ten Terabits per second (Tbps) of on-demand scrubbing capacity and can process 65 billion attack packets per second The Imperva network has successfully defended clients against some of the largest attacks on record. With more than 50 scrubbing centers located around the world, our mitigation network absorbs even the largest attacks with specialized support for massive volumetric attacks.

Flexible deployment options

For organizations that cannot afford to ever see a DDoS attack, implementing DDoS Protection for Networks in always-on mode provides cost-effective continuous protection. Organizations that are very cost-conscious can choose network protection on-demand based on BGP routing. In the event of an attack, traffic is rerouted through Imperva data centers where bad traffic is filtered out.

IMPERVA DDOS SECURITY

DDoS for Networks is a key component of Imperva DDoS protection solutions, which reduce the risk of downtime without incurring latency. Imperva DDoS protection services include:

DDoS Protection for Websites

DDoS Protection for Networks

DDoS Protection for Individual IPs

DDoS Protection for DNS Servers

Contingency DDoS Protection

Learn more about Imperva Application Security at +1.866.926.4678 or online at imperva.com

Imperva protects **critical applications, APIs, and Data**, anywhere, at scale, and with the highest ROI.