Prolexic Routed

Organizations increasingly interact with customers, employees, and partners through myriad web and IP-based applications. Disruptions to these applications can have a serious impact on the bottom line, making them attractive targets for attackers. Whether planning for the inevitable or actively mitigating an attack, organizations need fast, simple, and effective protection from the broadest range of DDoS attacks in order to defend their online presence, maintain employee productivity, and safeguard their infrastructure.

Prolexic Routed

Prolexic Routed stops attacks with a cloud-based DDoS scrubbing platform to protect your applications wherever they are deployed, whether in your data center, the public cloud, or a colocation facility. It provides comprehensive protection against the broadest range of DDoS attack types and defends against high-bandwidth sustained attacks, as well as today's complex multi-vector attacks that jump from application to application. Prolexic Routed includes proactive mitigation controls tailored to your network traffic to stop attacks instantly, backed by active mitigation performed by Akamai's 24/7 global SOCC.

How it works

Prolexic Routed leverages the Border Gateway Protocol (BGP) to route all your network traffic through Akamai's 19 globally distributed scrubbing centers. Within each scrubbing center, proactive mitigation controls drop all abnormal traffic instantly, while Akamai SOCC staff inspects the remaining traffic, drops detected attacks, and forwards only clean traffic to the application origin. Built on a global network with 8 Tbps of dedicated capacity today, Prolexic Routed protects many of the world's largest Internet-facing organizations from the largest known and most sophisticated DDoS attacks.

Capabilities

- **Broad DDoS attack protection** — Prolexic Routed provides organizations with dynamic protection against a broad range of potential DDoS attack types, regardless of complexity, and even as they change over the course of an attack. This includes both network-layer DDoS attacks, such as UDP and SYN floods, as well as application-layer DDoS attacks, such as HTTP GET and POST floods.

- **Protection for hundreds of applications** — By routing network traffic through Prolexic Routed, organizations can protect entire IP subnets, including all web- and IP-based applications within those subnets, any supporting network and data center infrastructure. and the network bandwidth into their data center.

BENEFITS FOR YOUR BUSINESS

Reduce downtime and business risk with fast and effective mitigation of DDoS attacks backed by industryleading time-to-mitigate SLAs.

Protect against the largest DDoS attacks with the globally distributed Prolexic network and 8 Tbps of dedicated network capacity.

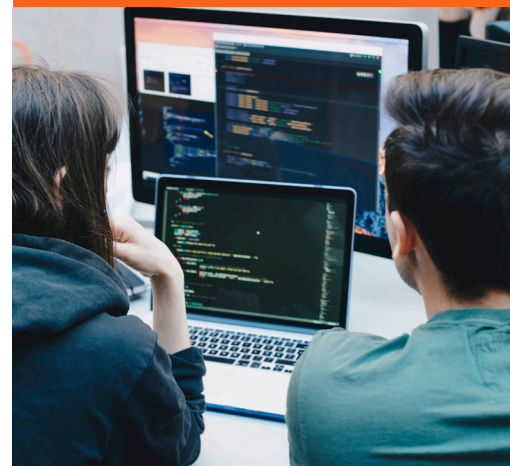**Respond to the most sophisticated attacks** with Evolanes dedicated, certified and highly experienced experts.

Reduce costs associated with DDoS protection by leveraging Akamai's globally distributed cloud security platform.

- **Zero-second mitigation** — Proactive mitigation controls tailored to your network traffic can lock down your attack surface to mitigate the majority of DDoS attacks instantly in zero seconds.

- **Dedicated global network** — Akamai's Prolexic network includes 8 Tbps of dedicated network bandwidth and 19 globally distributed scrubbing centers, located in Amsterdam (Netherlands), Ashburn (USA), Chicago (USA), Dallas (USA), Frankfurt (Germany), Hong Kong (China), London (UK), Los Angeles (USA), Melbourne (Australia), Miami (USA), New York (USA), Osaka (Japan), Paris (France), San Jose (USA), Singapore (Singapore), Stockholm (Sweden), Sydney (Australia), Tokyo (Japan), and Vienna (Austria).

- **24/7 Security Operations Command Center (SOCC)** — Akamai's 24/7 SOCC provides global coverage for organizations around the world, with more than 185 SOCC staff operating across six SOCC locations. In addition to detecting and mitigating developing attacks, Akamai SOCC staff communicates and coordinates with organizations' onsite staff and troubleshoots any abnormalities.

- **Service-level agreement (SLA)** — With trained security experts highly experienced at mitigating a broad range of DDoS attacks, Prolexic Routed reduces the business risk and financial cost through its industry-leading time-to-mitigate and consistency-of mitigation SLAs.

- **Virtual tunnels** — Proprietary GRE technology establishes many-to-one virtual tunnels from every scrubbing center to improve resiliency and reliability and support higher bandwidth for clean traffic.

- **Flexible deployment options** — Prolexic Routed is offered both as an always-on service, which offers the fastest detection and mitigation capabilities, or optionally as an On Demand service, to provide organizations with flexibility in how they customize and apply DDoS mitigation.

- **DDoS monitoring (optional)** — For on-demand customers, network traffic monitoring services provide early warning of potential attacks, allowing SOCC staff to route your traffic onto A DevOps and security teams in a GitOps workflow to ensure security always keeps pace with today's rapid development.

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