

DDoS Mitigation: PLXconnect

High bandwidth connectivity for on-demand DDoS mitigation

The PLXconnect Service Plan delivers Prolexic's routed DDoS mitigation service over a direct physical connection from your network through a private Prolexic cloud to our scrubbing centers.

Like Generic Route Encapsulation (GRE), this physical connection enables you to easily activate Prolexic protection for an entire subnet, enabling redirection of Internet traffic to the Prolexic network during a DDoS attack and away from the Prolexic network during non-attack periods. Unlike GRE, there is no impact to Maximum Transmission Units (MTUs), latency is predictable, and you can achieve much higher throughput. Best of all, PLXconnect has the highest performance SLA in the industry to extend the peace of mind you always have with Prolexic.

Why Prolexic PLXconnect

You should choose PLXconnect if you:

- Desire a higher bandwidth connection to Prolexic
- Want to eliminate the overhead of GRE tunnels
- Operate a complex Internet edge deployment using many protocols and site-to-site VPNs
- Use applications that do not accommodate lower maximum packet size

How Prolexic PLXconnect works

Prolexic's PLXconnect Routed Service Plan relies on a physical connection to a private cloud to allow Prolexic to onramp the customer's incoming traffic and inspect it for anomalies or misbehaviors. We identify all legitimate traffic and forward it on its normal path, while silently dropping attack traffic.

The BGP routing protocol is used to communicate network advertisements from your site to Prolexic. You use these network advertisements to activate and deactivate the service as needed. Activation is complete when Prolexic communicates these advertisements to its upstream carriers and peers from each of its scrubbing facilities, a process that normally occurs in a few seconds. Traffic is then cleansed and forwarded to the customer's router(s). Over the course of this interception process, outgoing traffic from your servers to the Internet is always forwarded as normal to your ISP(s). This approach, called asymmetric routing, maximizes the benefits of Prolexic's scrubbing process while minimizing the overall impact on your typical traffic flow.

WHAT

- High bandwidth connectivity for activating Prolexic's on-demand mitigation services

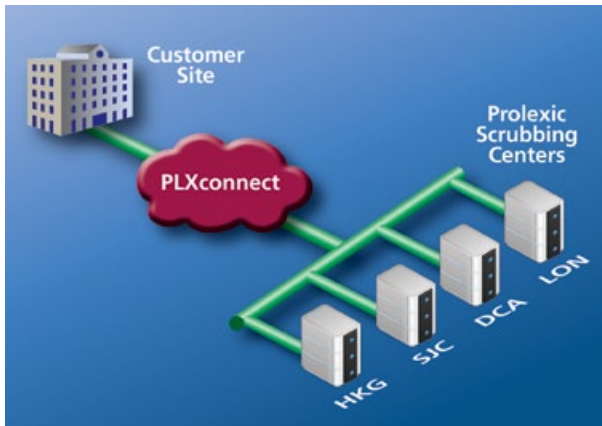
HOW

- Direct physical connection to Prolexic scrubbing centers via a private cloud

WHY

- High bandwidth – up to 10 Gbps capacity of clean traffic per customer port
- Low impact – no MTU concerns
- Predictable latency – SLA for latency and packet loss





The benefits of Prolexic PLXconnect

Prolexic has developed this service to deliver up to 10GB of clean traffic per customer port – light years ahead of other DDoS mitigation providers’ clean bandwidth capabilities. Today, as DDoS attacks have become extremely large and complex, PLXconnect fulfills a growing need for high capacity and highly reliable direct connectivity. The private cloud eliminates the complex network changes required when using an Internet-based GRE solution. What’s more, we have extended our industry leading SLA to include packet loss and latency guarantees.

Key capabilities

The easiest way to understand PLXconnect is to compare its characteristics and capabilities to routing using GRE.

Characteristic	Generic Route Encapsulation	PLXconnect
Bandwidth	Low	High
Ideal level of application interaction	Simple	Complex
Latency	Unpredictable	Predictable
Encapsulation Overhead	High	Low

Be prepared with PLXconnect

The threat of DDoS attacks continues to escalate – and no business or organization is safe from being the target of malicious cyber criminals. Trust your online presence to Prolexic, the gold standard in DDoS mitigation services, and rely on the global strength of our PLXconnect Service. Contact us at **+1 (954) 620 6002** or **sales@prolexic.com** to learn how we can protect you against the largest and most complex DDoS attacks.

About Prolexic: Prolexic is the world’s largest, most trusted Distributed Denial of Service (DDoS) mitigation provider. Able to absorb the largest and most complex attacks ever launched, Prolexic restores mission critical Internet facing infrastructures for global enterprises and government agencies within minutes. Fourteen of the world’s twenty largest banks and the leading companies in e-Commerce, SaaS, payment processing, travel/hospitality, gaming and other at-risk industries rely on Prolexic to protect their businesses. Founded in 2003 as the world’s first “in the cloud” DDoS mitigation platform, Prolexic is headquartered in Hollywood, Florida and has scrubbing centers located in the Americas, Europe and Asia. For more information, visit www.prolexic.com or call +1 (954) 620 6002.