



- Always-On
- On-Demand
- 24 x 7 Monitoring
- Network based
- Low-Latency
- Rapid Deployment

DDoS MITIGATION



Level (3)
COMMUNICATIONS | CHANNEL PARTNER
Connecting and Protecting
the Networked World

 **SOURCE**TM
NETWORK DDoS MITIGATION

STAY UP AND RUNNING. NO MATTER WHAT.

Downtime is no longer an inconvenience. It can do serious harm to your brand, your productivity and your bottom line. Every minute your network is down is a minute you can't connect with colleagues, customers or partners.

That's why distributed denial of service (DDoS) attacks must be prevented. Together, SOURCE and Level 3 can help.

LEVEL 3 & SOURCE DELIVERS





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SOURCE: DDoS MITIGATION

Today's Distributed Denial of Service attacks are growing in size, frequency and complexity. Scrubbing centre mitigation techniques alone are not designed to manage today's massive, highly sophisticated and distributed attacks. It is essential to deploy a multi-layered security approach backed by extensive threat research to defend against a variety of attack types. SOURCE as a Level 3 Channel Partner provides layers of defence through enhanced network routing, rate limiting and filtering that can be paired with advanced network-based detection and mitigation scrubbing centre solutions. Our mitigation approach is informed by threat intelligence derived from visibility across the Level 3 global infrastructure and data correlation.

Tailored for any business and IT/security budget, our flexible managed service can detect and mitigate the threats of today to help ensure business-as-usual for employees, partners and customers.



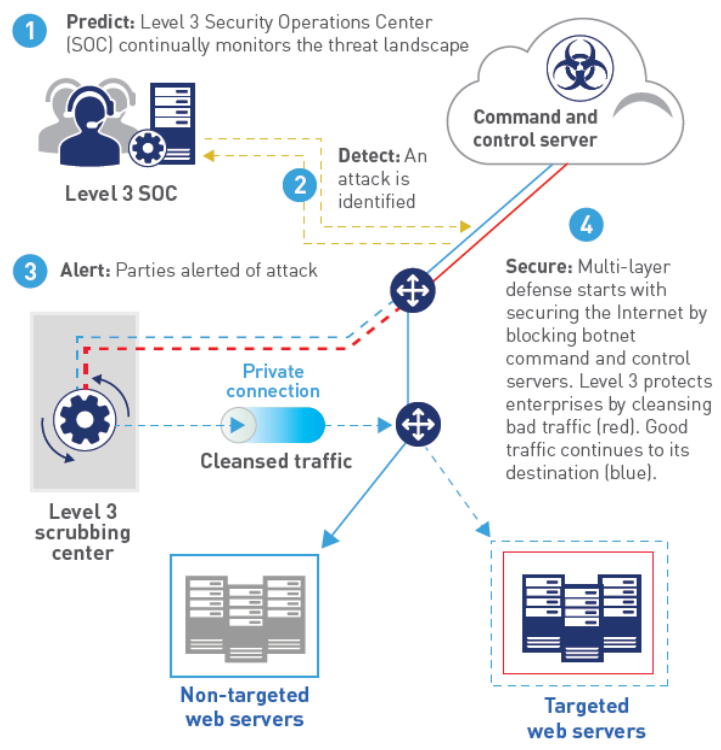
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SOURCETM
NETWORK DDoS MITIGATION

LEVEL 3[®] DDoS MITIGATION How It Works




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TECHNICAL FEATURES/CAPABILITIES

- Nine regional scrubbing centres with 4.5 Tbps of attack ingestion capacity
- Customers are on-boarded at closest Level 3 POP:
- North America:
 - Chicago, Dallas, Los Angeles, New York Ashburn and Washington, D.C.
- EMEA:
 - Frankfurt, Amsterdam and London
- LATAM:
 - Sao Paulo (Q4, 2015)
- Volumetric and application layer attack mitigation
- Mitigates against known forms of layer 3 – 7 attacks
- Advanced behavioural analytics technology
- Five- to 15-minute time-to-mitigate SLAs for most known forms of attack after traffic is on-ramped through Level 3 scrubbing centres
- “Always-On” or “On-Demand”
- Includes traffic base lining
- GRE Option:
 - GRE tunnels over the public Internet as a forward path from Level 3 global mitigation network to the customer datacentre for clean traffic. Maximum of 1 Gbps. of peak inbound traffic.
- Proxy Option:
 - DNS based redirect with a reverse proxy over the public Internet for returning traffic to the customer server(s)
- Host Level Re-routing and IP Filtering:
 - Less intrusive, providing protection without rerouting entire subnets.
- Reporting:
 - Peacetime performance and event reporting with extensive attack visibility and historical data via the MyLevel3 Portal.
- DDoS Flow-Based Monitoring:
 - Early detection and notification of attacks by monitoring customer edge routers directly. Our 24x7 Security Operations Center will detect anomalies in volumetric flows, perform impact analyses, and notify your personnel of threatening conditions.
- Detects Layer 3 and 4 DDoS attacks and provides alerts
- Analyses:
 - Netflow
 - Sflow
 - and
 - Jflow data

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WHY CHOOSE LEVEL 3?

- **Scalable Attack Ingestion Capacity:**
Level 3 currently has nine global scrubbing centres across three continents with 4.5Tbps of attack ingestion capacity.
- **Multi-Layered Attack Protection:**
Level 3 protection can extend beyond DDoS scrubbing, and include threat control through enhanced network routing, filtering and rate limiting. This approach provides relief from volumetric and application based attacks layers 3-7.
- **Carrier Agnostic Protection and Detection:**
Level 3 can re-route and scrub all Internet connections, not just Level 3 on-net capacity.
- **Global Footprint and Network depth:**
With the ability to access our mitigation network from over MPLS POPs globally, Level 3 can help provide increased performance and improved latency of cleansed, returned Internet traffic.
- **Proven Attack Traffic Visibility:**
Level 3's global IP, CDN and DNS network provides Level 3 with extensive visibility into attack traffic and advancing threats.

ABOUT: SOURCE

SOURCE is a multi-award winning data centre, network and Internet service provider delivering real value to organisations that rely on high-availability IT infrastructure.

As a leading UK Channel Partner of Level 3 for over 6 years, SOURCE is headquartered in Redhill, Surrey, just 30 minutes from Central London (UK).

Find out more about SOURCE DDoS Mitigation
www.sourceplc.com/ddos