Cisco Secure DDoS Protection

Distributed denial-of-service (DDoS) attacks continue to become more frequent, more powerful, and more damaging. With the growing online availability of attack tools, the variants of possible attacks are now more numerous than ever.

Cisco Secure DDoS Protection solutions defend organizations against today's most sophisticated DDoS attacks using advanced behavioral-based and machine learning algorithms to rapidly detect and mitigate both network-layer (Layers 3 and 4) and application-layer (Layer 7) attacks. Cisco Secure DDoS Protection solutions defend against encrypted SSL-based DDoS attacks without adding latency and use automatic, adaptive real-time protection to defend against zero-day attacks. Multiple deployment options, including cloud-based, customer premises, and hybrid deployment, offer solutions for every customer.

Key benefits

Zero-day DDoS protection

Patented adaptive, behavioral-based algorithms, continuously refined over the past decade, block sophisticated never-before-seen (zero-day) attacks with the lowest false positive rate in the industry

Highest availability under attack

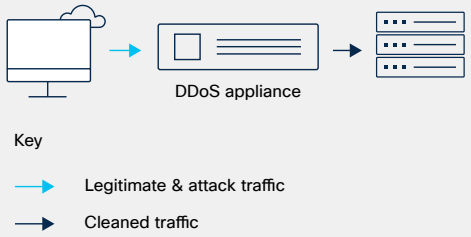
Intelligently distinguishes legitimate from malicious traffic, enabling advanced SLAs and maximizing service availability

Increased data center efficiency

Comprehensive DDoS protection enables predictable engineering for network and application resources by eliminating anomalous flows that consume network resources and impact application availability

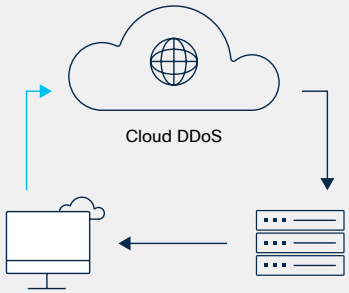
Flexible deployment options

On-premises DDoS protection



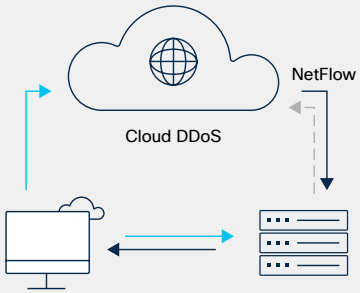
- Low-latency, real-time mitigation
- Dedicated on-premises appliance
- Full visibility and control

Always-on cloud DDoS protection



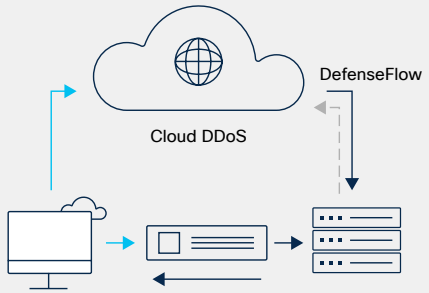
- Traffic always routed through scrubbing centers
- Real-time DDoS detection and mitigation by scrubbing centers

On-demand cloud DDoS protection



- Traffic diverted only in case of large-volume attack
- Detection based on NetFlow and/or other telemetry

Hybrid DDoS protection (on-premises + cloud)



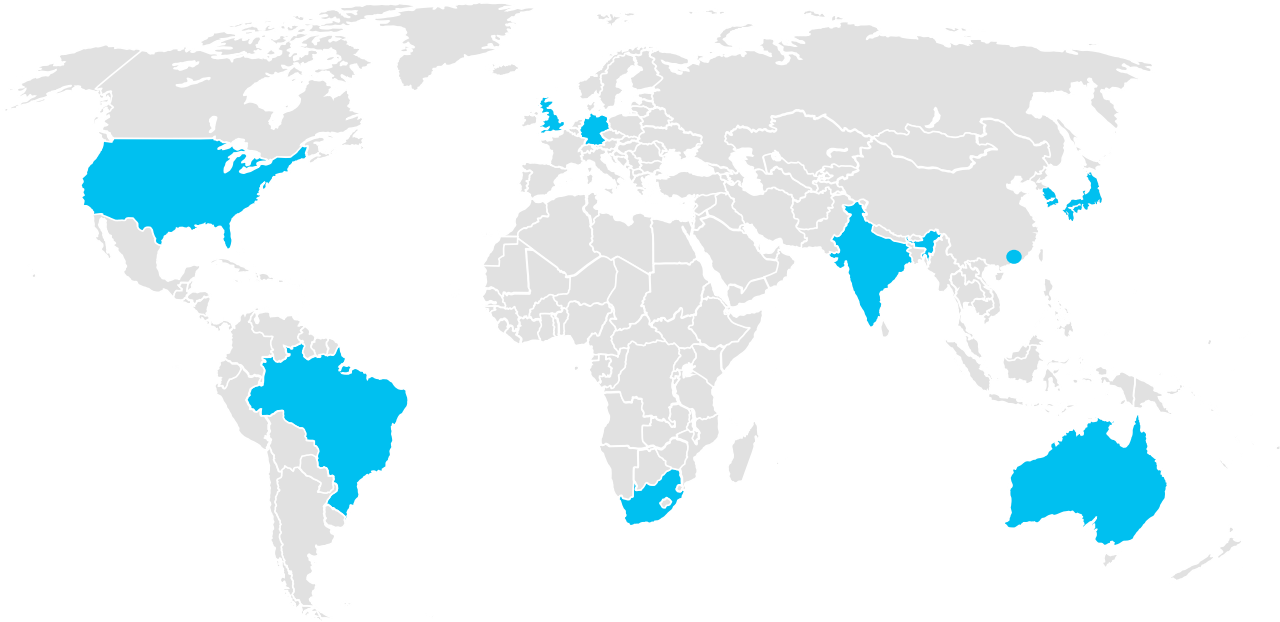
- Combines on-premises mitigation with cloud capacity
- Traffic diverted to cloud before pipe saturation

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Global scrubbing centers

Massive capacity. Scalable global DDoS protection.

Our global network of scrubbing centers provides high availability and resilience.



USA – Brazil – UK – Germany – Netherlands – Israel – South Africa – India – Australia – Hong Kong – South Korea – Japan
France - Taiwan - Canada - New Zealand - Dubai

Granular SLAs

- Using the DDoS service from your ISP? Many services provide only a “best-effort” SLA against an attack.
- Cisco Secure DDoS Protection service provides industry-leading SLAs for time to mitigate, time to detect, time to alert, time to divert, consistency of mitigation, and service availability.

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More information

Cisco Secure DDoS Protection

www.cisco.com/go/secure-ddos

DDoS Emergency Attack Mitigation Services

www.cisco.com/c/en/us/products/collateral/security/ddos-emergency-attack-mitigation-aag.pdf

Global Scrubbing Centers data sheet

www.cisco.com/c/en/us/products/collateral/security/secure-ddos-protect-scrubbing-center-ds.pdf

What Is a DDoS Attack?

www.cisco.com/c/en/us/products/security/what-is-a-ddos-attack.html

Next steps

For more information about our portfolio of DDoS protection solutions, contact your Cisco sales representative today or visit www.cisco.com/go/secure-ddos.

IDC Analyze the Future

DDoS MarketSpace #1 Leader

FORRESTER®

DDoS Wave Leader

Security standards compliance and certifications

ISO 27001:2013
ISO 27032:2012
ISO 27017:2015
ISO 27018:2014
ISO 28000:2007

PCI Security Standards Council

PCI-DSS v3.1
(Payment Card Industry Data Security Standard)

SSAE 16

US SSAE16 SOC-2 Type II
US SSAE16 SOC-1 Type II

Learn more: cisco.com/go/secure-ddos

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