

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 is now larger than ever.

Cisco® 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 (L3/4) and application-layer (L7) attacks. Cisco DDoS mitigation solutions protect 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, CPE, and hybrid deployment options, 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

Accurately distinguishes legitimate from malicious traffic, enabling advanced SLA 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



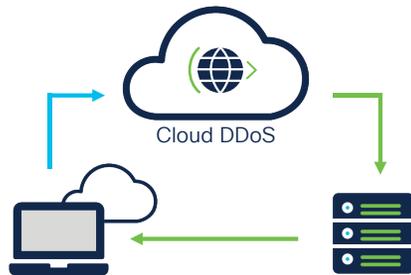
Flexible Deployment Options

On-Prem DDoS Protection



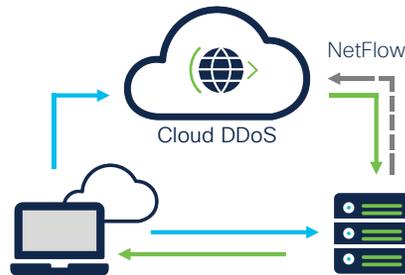
- Integrated with Secure Firewall 4100/9300 platforms
- Private/public cloud instances
- Dedicated on-prem appliances

Always-on Cloud DDoS



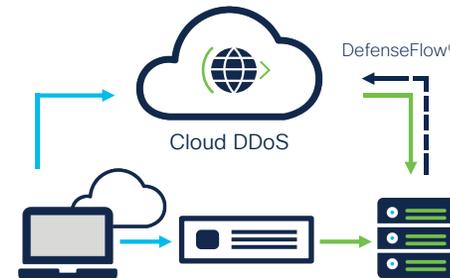
- Traffic always routed through scrubbing centers
- Real-time DDoS detection and mitigation by scrubbing centers

On-demand Cloud DDoS



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

Hybrid DDoS Protection (on-prem + cloud)



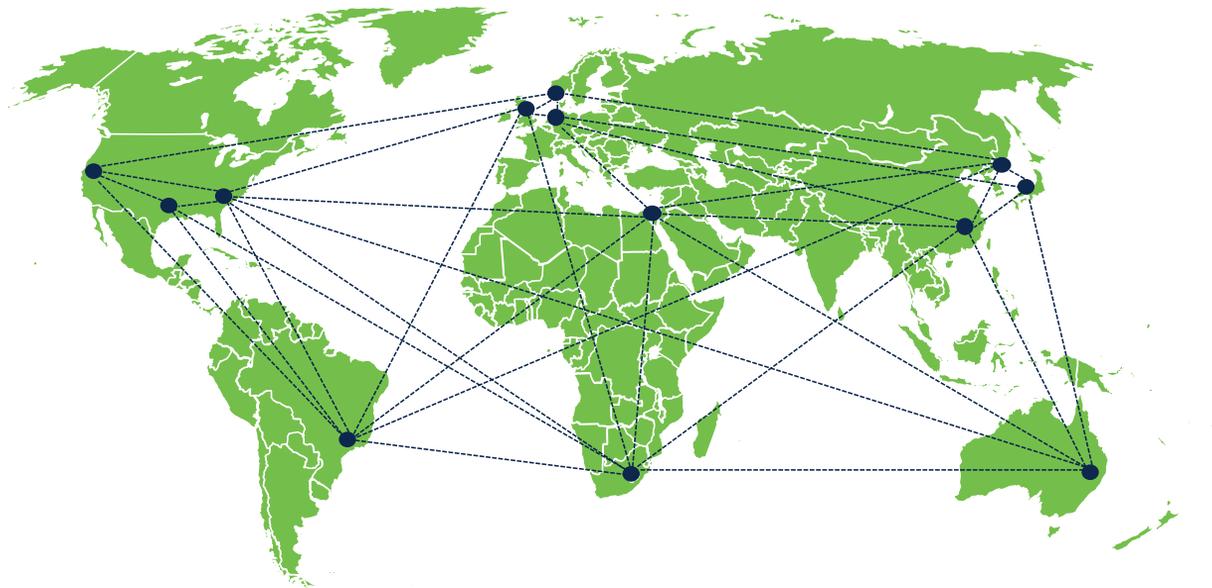
- Combines on-prem mitigation with cloud capacity
- Traffic diverted to cloud before pipe saturation



Global Scrubbing Centers

Massive capacity. Scalable global DDoS protection.

Our global network of scrubbing centers provides high availability and resilience



Granular SLAs

- Using the DDoS service from your ISP? Many such commodity services provide only a “best-effort” SLA against an attack.
- Cisco 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*.



More Information

Cisco Secure DDoS Protection

www.cisco.com/go/secure-ddos

DDoS Emergency Attack Mitigation Service

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.



DDoS MarketSpace #1
Leader

FORRESTER[®]

DDoS Wave Leader

Security Standards Compliance and Certifications



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



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

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