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

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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

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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

Global Scrubbing Centers data sheet

What Is a DDoS Attack?

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.

Security Standards Compliance and Certifications

ISO 27001:2013
ISO 27012:2012
ISO 27018:2014
ISO 27017:2012
PCI-DSS v3.1

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

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