

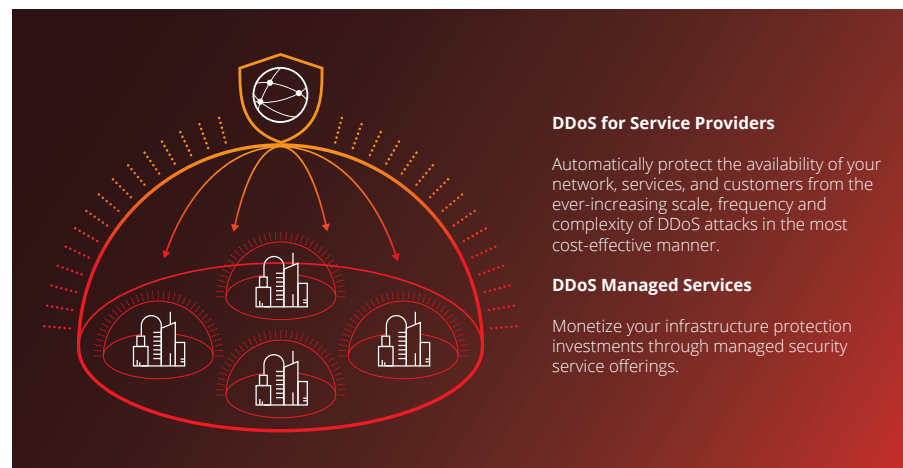
Arbor DDoS Protection for Internet Service Providers, from NETSCOUT

Smart Security Is Here

Intelligently Automated and Scalable DDoS Protection

The facts are clear – DDoS (Distributed Denial of Service) attacks continue to increase in size, frequency and complexity. Today's DDoS attacks go beyond simple volumetric attacks, combining multiple attack vectors targeting the network, infrastructure and applications every network operator relies upon for business continuity, whether they are a large ISP (Internet Service Provider) or a small enterprise.

For the ISP, the network is the business – reducing customer churn and growing value-added service revenue are keys to success. Any threat to service availability and performance must be dealt with as effectively and efficiently as possible, while minimizing operational overhead. Multi-vendor networks are the norm and any solution must understand, integrate and utilize any and all available capabilities in the fight to protect the availability of the connected world.



FEATURES AND BENEFITS

- 18 years as the undisputed leader of DDoS protection
- Trusted by over 90% of tier-1 ISPs, as well as many of the largest enterprises including top financial institutions all around the world
- Complete portfolio of fully integrated DDoS protection products and services
- Automates and orchestrates attack response using both network infrastructure and intelligent mitigation capabilities
- Comprehensive network visibility with best-in-class capability
- Software-only solution providing the lowest TCO

Arbor DDoS Protection with NETSCOUT Smart Data

NETSCOUT® offers a comprehensive portfolio of fully integrated DDoS protection products and services; all backed by continuous global threat intelligence from ATLAS®.

Arbor Sightline provides pervasive network visibility, collecting and analysing Netflow, BGP and SNMP data from the routers and switches within a network's infrastructure. NETSCOUT's Smart Data provides real-time visibility into user experience, elevating visibility to the application and service layer, creating the most advanced and adaptable information platform to manage availability, performance and security risk.

Arbor Sightline delivers proven DDoS attack detection (in as little as 1 second) and automated attack mitigation (in as little as 10 seconds) unified workflow that covers attack characterization, traceback and mitigation within a single pane of glass. From appliances to software-only and cloud services, DDoS protection by NETSCOUT meets the deployment, scalability and budgetary needs of any organization including best-in-class capability and lowest Total Cost of Ownership (TCO).

Monetizing DDoS Defense for Your Enterprise Customers

Arbor Sightline incorporates a full suite of multi-tenant features and Application Program Interfaces (APIs) to manage individual customers and facilitate the delivery of managed DDoS protection services, enabling network operators to monetize their defensive capability. Using stateless packet processing technology and armed with millions of Indicators of Compromise (IoCs), Arbor Edge Defense™ (AED) can also stop inbound and outbound suspicious communications. From diversion and always-on network-based services to integrated hybrid defense, NETSCOUT provides the technology behind many of the managed DDoS protection services available around the world today.

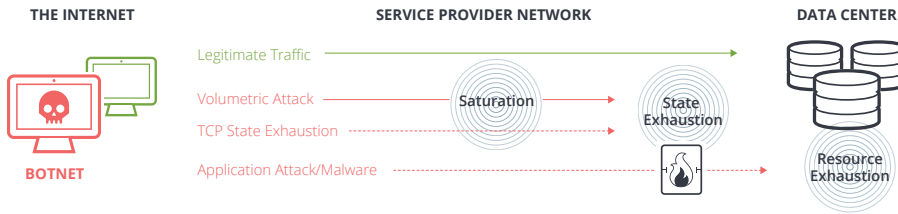


Figure 1: Modern Day DDoS Attack Types.

A Best-Practice, Layered Approach with NETSCOUT's Security Suite of Products

Products	Intelligence	Benefits
Arbor Sightline	DDoS Protection Platform Providing Network Visibility, Attack Detection and Automated Attack Mitigation	<ul style="list-style-type: none"> Provides pervasive network visibility and DDoS attack detection Utilize NETSCOUT Smart Data to provide service and application layer visibility Orchestrates network and intelligent mitigation capabilities to deal with any attack Available as appliances, software-only basis, or as a fully managed service
Arbor Threat Mitigation System (TMS)	Surgically Removes DDoS Attack Traffic from Your Network without Disrupting Key Network Services	<ul style="list-style-type: none"> Arbor TMS provides out-of-path, stateless, surgical mitigation at up to 400Gbps per 2U device Platforms range from 2U appliances to Cisco ASR9K router embedded Available as appliances, software-only basis, or as a fully managed service
Arbor Cloud™	Cloud-Based DDoS Protection	<ul style="list-style-type: none"> A fully managed, tightly integrated combination of in-cloud and on-premise DDoS protection Over 9Tbps of global scrubbing capacity located in US, Europe and Asia
Arbor Edge Defense (AED)	On-Premise DDoS Protection and Network Perimeter Enforcement Point	<ul style="list-style-type: none"> Always on, in-line, detection and mitigation of DDoS attacks ranging from sub 100Mbps to 40Gbps Available as an appliance or virtual platform with optional managed service Stops inbound and outbound DDoS attacks, malware, and C2 communication
Cloud Signaling™	Integrates On-Premise and Cloud-Based Protection	<ul style="list-style-type: none"> Intelligently links Arbor Edge Defense to an upstream/in-cloud DDoS attack protection service, using Sightline, for mitigation
ATLAS Intelligence Feed (AIF)	ASERT Derived Insight and Expert Analysis	<ul style="list-style-type: none"> Global visibility and threat intelligence continuously arms all products and services

Smart Security is here. Learn More at: [netscout.com/DDoS-CSP](https://www.netscout.com/DDoS-CSP)



Corporate Headquarters
NETSCOUT Systems, Inc.
Westford, MA 01886-4105
Phone: +1 978-614-4000
www.netscout.com

Sales Information
Toll Free US: 800-309-4804
(International numbers below)

Product Support
Toll Free US: 888-357-7667
(International numbers below)

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