NETSCOUT®

Why NETSCOUT's Arbor DDoS Attack Protection Solution is Better

What Makes NETSCOUT's Arbor DDoS Attack Protection Solution So Unique?

Our solution is an intelligently automated, combination of on-premise and in-cloud DDoS attack protection; continuously backed by global threat intelligence.

1. On premise, NETSCOUT® Arbor Edge Defense (AED) is an in-line, always-on solution that can automatically detect and stop all types of DDoS attacks – especially:
   - Volumetric Attacks up to 200 Gbps
   - TCP State Exhaustion Attacks
   - Application Layer Attacks
   - Encrypted Traffic Attacks

2. NETSCOUT® Sightline and Arbor Threat Mitigation System™ (TMS) is the acknowledged leader in DDoS protection for complex networks. More Service Providers, Cloud Providers and large Enterprises use Arbor Sightline & TMS for DDoS mitigation than any other solution.

3. Arbor Cloud is a 24x7, fully managed DDoS attack protection service offering with over 15 Tbps of mitigation capacity via 16 worldwide scrubbing centers.

4. NETSCOUT's unmatched global threat intelligence which is curated by ATLAS and the NETSCOUT ASERT Team, continuously arms all NETSCOUT Arbor products via NETSCOUT's ATLAS® Intelligence Feed (AIF) or other 3rd party feeds (via support for STIX/ TAXII).

5. Via intelligent Cloud Signaling, AED continuously (even when not under attack) sends customized, local attack policy information to a cloud-based mitigation service (e.g. your ISP, CDN provider, or NETSCOUT's Arbor Cloud) for use in current or future attacks. In the event of a large attack that overwhelms your internet circuit, attack traffic will automatically be routed to an appropriate Cloud scrubbing center for analysis and mitigation. Preconfigured attack countermeasures, including previously sent AED local attack policies, can automatically stop the DDoS attack within minutes.

No one in the industry offers such an intelligently automated combination of in-cloud and on-premise DDoS attack protection – designed to provide the most comprehensive form of protection from the advanced DDoS attacks of today and the future.
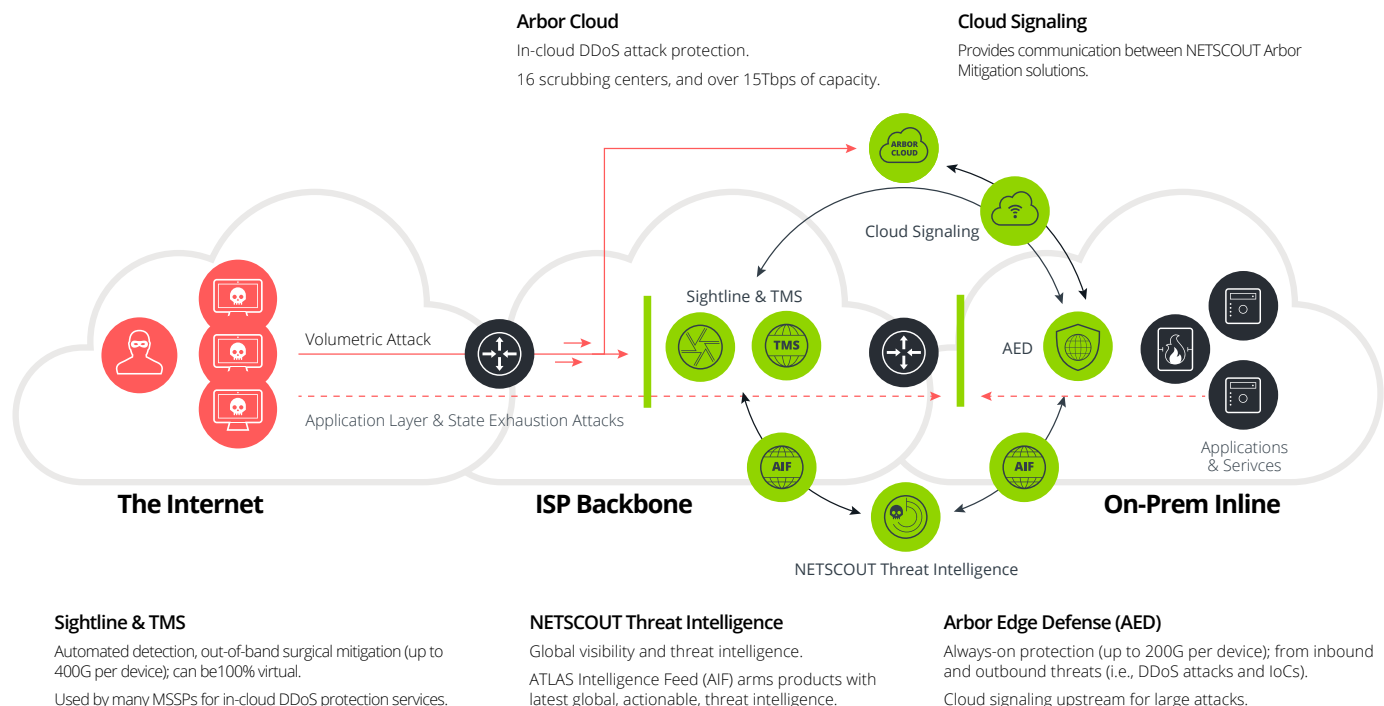

Arbor Cloud
In-cloud DDoS attack protection.
16 scrubbing centers, and over 15Tbps of capacity.

Cloud Signaling
Provides communication between NETSCOUT Arbor Mitigation solutions.

Sightline & TMS
Automated detection, out-of-band surgical mitigation (up to 400G per device); can be100% virtual.
Used by many MSSPs for in-cloud DDoS protection services.

NETSCOUT Threat Intelligence
Global visibility and threat intelligence.
ATLAS Intelligence Feed (AIF) arms products with latest global, actionable, threat intelligence.

Arbor Edge Defense (AED)
Always-on protection (up to 200G per device); from inbound and outbound threats (i.e., DDoS attacks and IoCs).
Cloud signaling upstream for large attacks.

Figure 1: Arbor's Intelligent Automation in Action.

The Table Below Provides More Ways NETSCOUT Arbor Compares to Other Vendors:

Capability	Arbor	A Cloud-Only DDoS Protection Vendor	A DDoS Appliance Vendor
Hybrid DDoS attack protection solution *(i.e., combination of on-premise and in-cloud)*	● **Excellent** Arbor's DDoS Attack Protection solution is an intelligently automated, combination of on-premise and in-cloud DDoS protection products and services; continuously backed by global visibility and threat intelligence.	○ None	◔ Fair
Adaptive DDoS Protection More information	● **Excellent** NETSCOUT products employ AI and ML to automatically develop new defenses for recently discovered attack vectors so they can continue to protect your critical business applications and services.	○ None	○ None
Breadth of DDoS protection appliances designed for on-premises	● **Excellent** AED is an in-line, always-on appliance capable of automatically stopping all types of DDoS attacks; mitigation capacities range from 100 Mbps to 200 Gbps.	○ None	◕ Very Good
Threat Intelligence	● **Excellent** Arbor ATLAS Intelligence Feed continuously arms all products and services with actionable global threat intelligence.	◑ Good	◔ Fair
Security Stack Device Capacity Protection (Blocking Inbound and Outbound Non-DDoS Nuisance Threats) More information	◕ **Very Good** Armed with millions of Indicators of Compromise (IoCs) and other threat intelligence from NETSCOUT ATLAS, AED blocks both inbound & outbound traffic based upon known bad IP addresses, domains and URLs.	○ None	○ None
Cloud-based DDoS protection services	◕ **Very Good** Arbor Cloud is a 24/7, managed DDoS protection service with over 15 Tbps of mitigation capacity and 16 scrubbing centers globally.	● Very Good	◔ Fair
Selective Decryption/ attack protection More information	◑ **Good** AED can inspect encrypted traffic. Decryption can be enabled or disabled for specific protection groups and at specific protection levels, to allow available decryption capacity to be focused on the traffic where decryption is needed.	○ None	◑ Good
Virtual DDoS protection for virtual and cloud environments	◔ **Fair** AED allows for deployment on KVM, VMWare, AWS and Azure with flexible pool capacity" For "DDoS Appliance Vendors"	○ None	○ None

For more information: www.netscout.com/arbor-contact

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