Why NETSCOUT's Arbor DDoS Attack Protection Solution is Better

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

NETSCOUT® offers top-tier, specialized DDoS protection solutions. Our extensive experience and tenure in this field have afforded us greater access to actionable telemetry regarding DDoS attack traffic than any of our competitors, enabling us to develop precise machine-consumable defenses from this data. These defenses are integrated into our dedicated DDoS protection products, which facilitate on-path local detection and provide evidence to combat both current and future attacks. Ultimately, once an attack is identified, our specialized DDoS protection products initiate mitigation processes automatically and transparently, ensuring they are both explainable and subject to inspection. Below, you will find descriptions of the products and processes that we employ to help you secure your essential business applications.

1. NETSCOUT's ATLAS data collection platform offers the broadest view of the attack landscape, which we refer to as Global Truth. We oversee more than 40-50% of the Internet at any given time. This extensive visibility enhances our AI-driven threat intelligence, which is provided to all Arbor products via the ATLAS Intelligence Feed® (AIF).
2. Adaptive DDoS Protection (ADP) is an automated, self-directed DDoS protection solution available as an enhancement to each of our products. This add-on offers local visibility that not only identifies attacks but also supplies justification for why traffic was either blocked or allowed. Furthermore, this system delivers transparent automation, indicating that detections and mitigations are explainable, inspectable, and adjustable by the operator. Each automated action is linked to traffic evidence and explicit decision-making logic. This represents a significant advancement in network security and attack management, intended to protect against Distributed Denial of Service (DDoS) attacks without the need for human intervention. This technology employs a continuous analysis process to identify threats that are not mitigated by existing countermeasures and current configurations in Arbor products. The automation feature offers recommendations to modify countermeasures and configurations in Arbor products that will stop the newly detected attacks, greatly decreasing response times, which is crucial for ensuring service availability and performance.

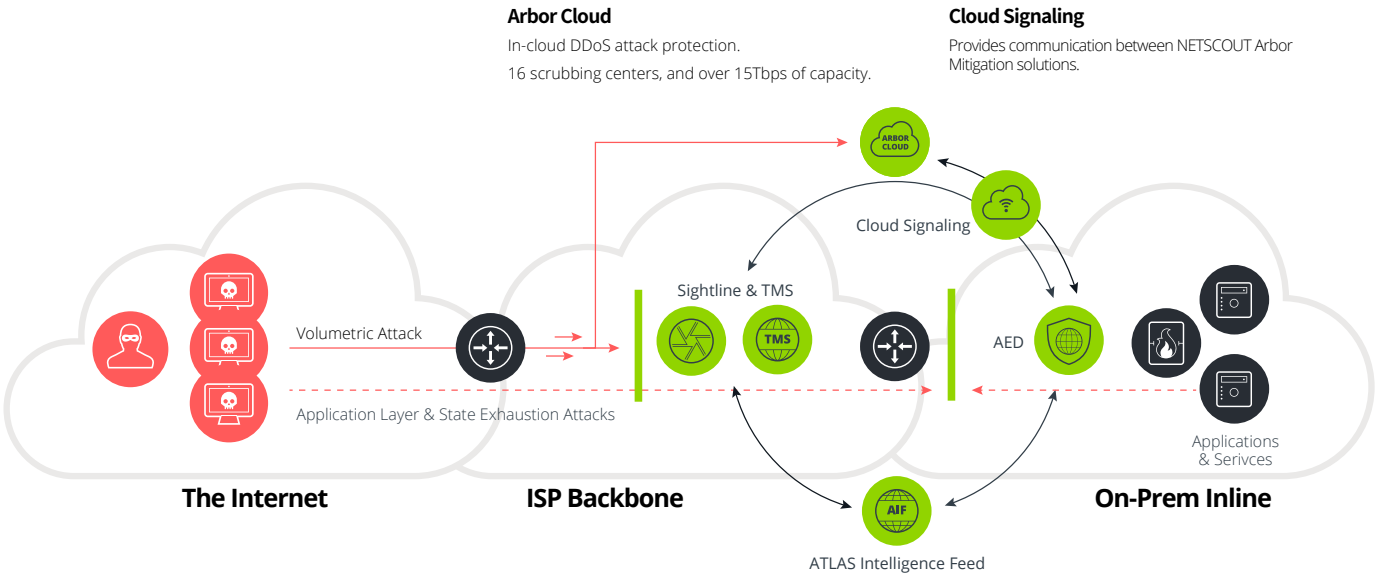

Figure 1: Arbor's Intelligent Automation in Action.

3. 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
4. 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.
5. Arbor Cloud is a 24x7, fully managed DDoS attack protection service offering with over 15 Tbps of mitigation capacity via 16 worldwide scrubbing centers.
6. Cloud Signaling, AED persistently (even in the absence of an attack) transmits tailored, localized attack policy data to a cloud-based mitigation service (such as your ISP, CDN provider, or NETSCOUT's Arbor Cloud) for application in ongoing or forthcoming attacks. In the case of a significant attack that saturates your internet circuit, the attack traffic will be automatically directed to a suitable Cloud scrubbing center for evaluation and mitigation.

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

Capability	NETSCOUT Arbor Dedicated DDoS Solution	A Cloud-Only DDoS Protection Vendor	Alternative DDoS mitigation solution, such as Next-Generation Firewall (NGFW), Load Balancer
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:** NETSCOUT employs artificial intelligence (AI) and machine learning (ML) technologies in its ATLAS Threat Intelligence Feed (AIF), informing 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

As cyber threats continue to evolve, the adoption of automated solutions is becoming increasingly vital for businesses seeking to safeguard their digital assets and maintain operational continuity. 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.

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NETSCOUT offers sales, support, and services in over 32 countries. Global addresses, and international numbers are listed on the NETSCOUT website at: www.netscout.com/company/contact-us

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