

Why NETSCOUT's Arbor DDoS Attack Protection Solution is Better

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

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

- On premise, the NETSCOUT® Arbor Edge Defense (AED) product is an in-line, always-on product that can automatically detect and stop all types of DDoS attacks – especially:
 - Volumetric Attacks up to 40Gbps
 - TCP State Exhaustion Attacks
 - Application Layer Attacks
 - Encrypted Traffic Attacks
- Arbor Edge Defense does more than just provide best-of-breed DDoS protection. Armed with millions of reputation-based Indicators of Compromise (IoCs) and other threat intelligence from NETSCOUT's ATLAS® Intelligence Feed or 3rd parties (via support for STIX/TAXII), AED can help stop the proliferation of malware within the organization. AED, using stateless packet processing technology, can also block inbound IoCs and outbound communication from compromised internal devices to known bad sites to stop data breaches from occurring.
- 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. from your ISP, CDN provider, or NETSCOUT's Arbor Cloud) for use in current or future attacks. In the

event of a large attack, 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, will automatically stop the DDoS attack within minutes.

- Arbor Cloud is a 24x7, fully managed DDoS attack protection service offering over 11 Tbps of mitigation capacity via 14 worldwide scrubbing centers.
- Post attack, a comprehensive set of reports are automatically generated detailing all attack activity. And all of these products and services are fully managed and continuously armed with the global threat intelligence offered by ATLAS and ASERT.

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 has the industry's broadest portfolio of DDoS attack protection products and services that enable organizations of any size to customize a solution to meet their technical and financial requirements of today – and the future.

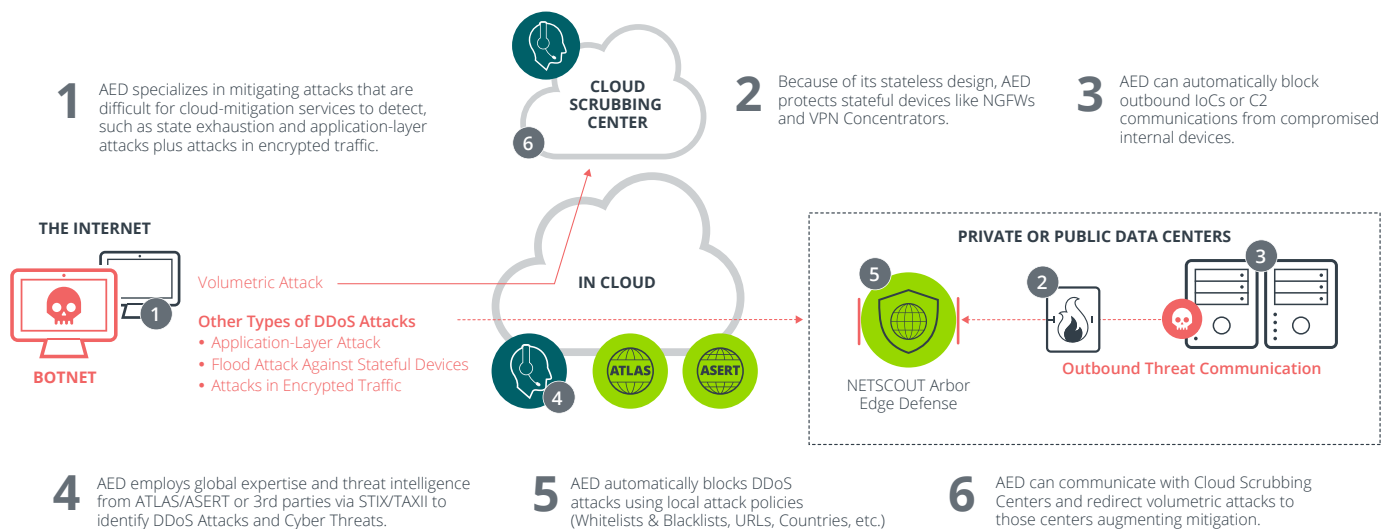


Figure 1: Arbor's Intelligent Automation in Action.

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)	<p>Excellent</p> <p>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.</p>	<p><input type="radio"/> None</p>	<p><input type="radio"/> Fair</p>
Breadth of DDoS protection appliances designed for on-premises	<p>Excellent</p> <p>AED is an in-line, always-on appliance capable of automatically stopping all types of DDoS attacks; mitigation capacities range from 100 Mbps to 40 Gbps.</p>	<p><input type="radio"/> None</p>	<p><input type="radio"/> Very Good</p>
Virtual DDoS protection appliances designed for cloud environments	<p>Good</p> <p>Arbor AED supports KVM, VMware, Cloud-Init, Openstack-Ansible, Nokia Cloudband, Cisco NSO/ ESC, Cisco NFVIS, Amdocs, Netcracker and other ONAP or ETSI NFV management and orchestration technologies.</p>	<p><input type="radio"/> None</p>	<p><input type="radio"/> None</p>
SSL decryption/ attack protection	<p>Good</p> <p>AED can inspect encrypted traffic. Supported encryption protocols: SSL 3.0, TLS 1.0, 1.1 and 1.2; Supported Cypher Suites: RSA, ECDH, ECDHE; FIPS 140-2 Level 2 and 3 support.</p>	<p><input type="radio"/> None</p>	<p><input type="radio"/> Good</p>
Cloud-based DDoS protection services	<p>Very Good</p> <p>Arbor Cloud is a 24/7, managed DDoS protection service with 14 scrubbing centers around the world providing over 11 Tbps of mitigation capacity.</p>	<p><input type="radio"/> Very Good</p>	<p><input type="radio"/> Fair</p>
Blocking of Inbound and Outbound Non-DDoS Threats	<p>Very Good</p> <p>Armed with potentially millions of Indicators of Compromise (IoCs) and other threat intelligence from NETSCOUT ATLAS or 3rd parties (via STIX/TAXII); and highly scalable, stateless packet processing technology, AED blocks both inbound & outbound traffic based upon known bad IP addresses, domains and URLs.</p>	<p><input type="radio"/> None</p>	<p><input type="radio"/> None</p>
Threat Intelligence	<p>Excellent</p> <p>Arbor ATLAS Intelligence Feed continuously arms all products and services with global threat intelligence.</p>	<p><input type="radio"/> Good</p>	<p><input type="radio"/> Fair</p>

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For more about Arbor's DDoS Attack Protection Solutions: <https://www.netscout.com/arbor-contact>



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