

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.

1. On the 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 low and slow application layer attacks.
2. Arbor Edge Defense does more than just provide best of breed DDoS protection. Armed with potentially 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), using stateless packet processing technology, AED can also block inbound IoCs and outbound communication from compromised internal devices to known bad sites to help stop the proliferation of malware within the organization and the data breach from occurring.
3. Via intelligent Cloud Signaling, the AED continuously (even when not under attack) sends customized, local attack policy information to the Arbor Cloud. In the event of a large attack, the attack traffic will automatically be routed to an appropriate Arbor Cloud scrubbing center. In which case, preconfigured attack countermeasures, including previously sent AED local attack policies, will automatically stop the DDoS attack within minutes.
4. In the cloud, Arbor Cloud is a 24x7, fully managed DDoS attack protection service offering over 11 Tbps of mitigation capacity via 14 worldwide scrubbing centers.
5. 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.

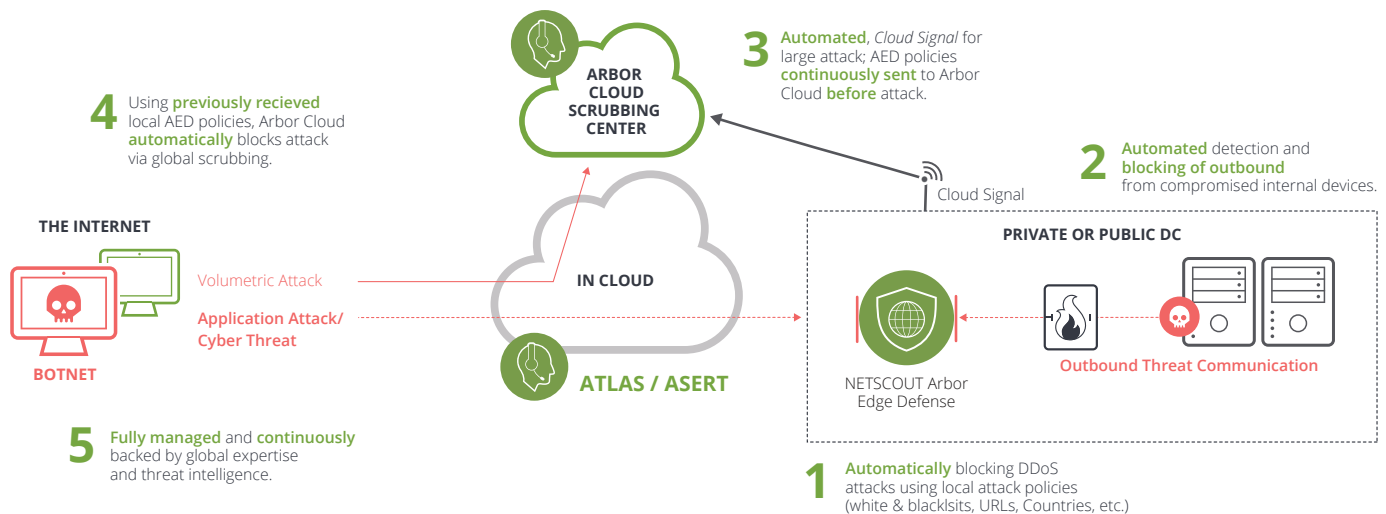























Figure 1: Arbor's Intelligent Automation in Action.



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>(i.e., combination of on-premise and in-cloud)</i>	 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
Breadth of DDoS protection appliances designed for 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 40 Gbps.	 None	 Very Good
Virtual DDoS protection appliances designed for cloud environments	 Good 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.	 None	 None
SSL decryption/ attack protection	 Good 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.	 None	 Good
Cloud-based DDoS protection services	 Very Good Arbor Cloud is a 24/7, managed DDoS protection service with 14 scrubbing centers around the world providing over 11 Tbps of mitigation capacity.	 Very Good	 Fair
Blocking of Inbound and Outbound Non-DDoS Threats	 Very Good 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.	 None	 None
Threat Intelligence	 Excellent Arbor ATLAS Intelligence Feed continuously arms all products and services with global threat intelligence.	 Good	 Fair

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



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