

Arbor DDoS Attack Protection Solutions

Intelligently Automated, Hybrid DDoS Protection, Backed by Global Visibility and Threat Intelligence

The facts are clear – DDoS attacks continue to rise in size, frequency and complexity. Modern-day DDoS attacks are a dynamic combination of:

1. Volumetric
2. TCP State Exhaustion
3. Application Layer Attack
4. Encrypted Traffic Attack Vectors

Industry best practice for DDoS defense is a multi-layer, or hybrid approach that takes into account the different types and targets of DDoS attacks. High volume flood attacks that target internet connectivity must be mitigated in the cloud, away from the intended target before they overwhelm local protection. Application layer, state exhaustion and encrypted traffic attacks need to be detected and mitigated with on-premise solutions close to where the applications or services reside.

Just as important, the solution must have an intelligent form of communication between these two layers backed by up-to-date threat intelligence to stop dynamic, multi-vector DDoS attacks.

In-Cloud Protection

NETSCOUT® Arbor Cloud® is an ISP agnostic, in-cloud, fully managed DDoS Protection service. Employing 14 scrubbing centers located throughout the US, Europe and Asia, Arbor Cloud provides over 11 Tbps of global mitigation capacity. Enterprises can seamlessly integrate their on-premise NETSCOUT Arbor Edge Defense™ (AED) protection with Arbor Cloud to obtain comprehensive DDoS attack protection. Service Providers can also use Arbor Cloud for extra mitigation capacity and expertise.

Key Features and Benefits

Proven and Trusted Solution

For the past 20 years, Arbor has been the undisputed leader in DDoS attack protection solutions. Arbor's solutions are trusted by a majority of the world's Internet Service Providers and many of the largest Enterprises.

DDoS Protection for Any Organization

From on-premise appliances and virtual machines, Arbor's DDoS Protection meets the deployment, scalability and budgetary needs of any organization.

Global Visibility and Threat Intelligence

All Arbor products and services are backed by the global visibility and threat intelligence from ATLAS® and Arbor Security Engineering & Response Team (ASERT), enabling organizations to stop the latest DDoS attacks and advanced threats.

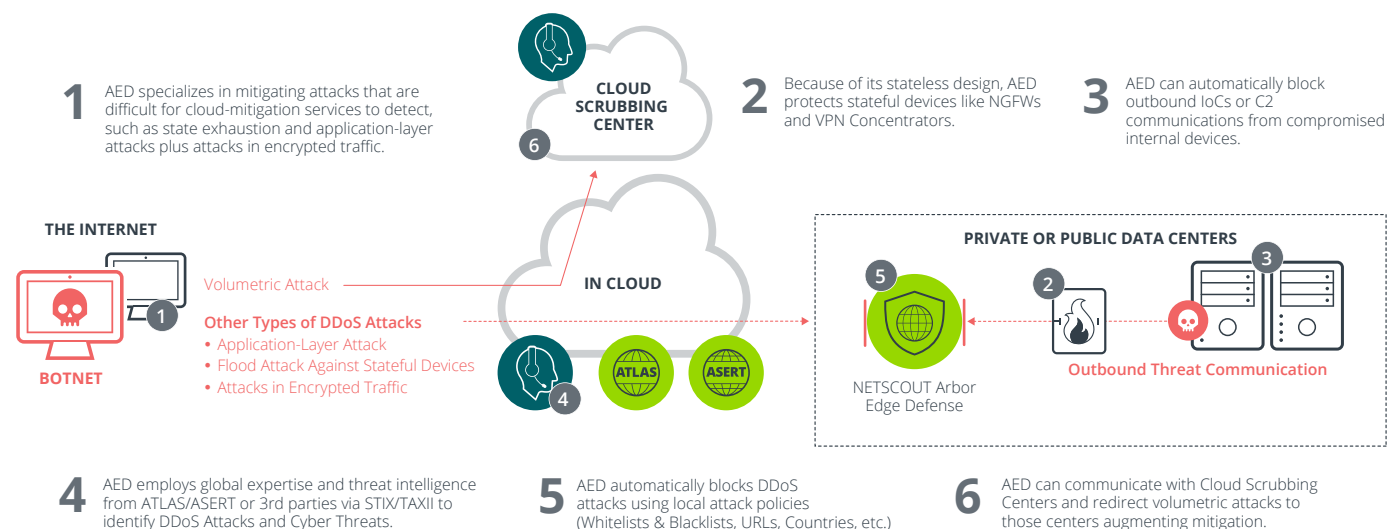


Figure 1: DDoS Attack Protection Solution.

On-Premise Protection

For larger networks and more experienced DDoS attack mitigation teams, NETSCOUT Arbor Sightline and NETSCOUT Arbor Threat Mitigation System™ (TMS) provide pervasive network visibility and DDoS attack detection. Upon attack detection, Arbor Sightline can automatically re-route attack traffic to the Arbor TMS for surgical mitigation of all types of DDoS attacks.

For smaller networks, Arbor Edge Defense™ (AED) is an always on, in-line, DDoS attack detection and mitigation solution which can stop in-bound DDoS attacks. For larger DDoS attacks, AED's Cloud Signaling™ will intelligently link to a cloud-based mitigation service (e.g. from your ISP, CDN provider, or NETSCOUT's Arbor Cloud).

Global Visibility and Threat Intelligence

Arbor Security Engineering & Response Team (ASERT) leverages a 20 year, worldwide deployment of Arbor products and third-party intelligence – otherwise known as ATLAS – to gain unmatched visibility into global threat activity. The global insight derived from ATLAS/ASERT continuously arms all Arbor products and services in the form of features, integrated workflows and the ATLAS Intelligence Feed (AIF).

Arbor Products

Arbor Cloud DDoS Protection Products and Services

- A fully managed, tightly integrated combination of in-cloud and on-premise DDoS protection.

NETSCOUT Arbor Edge Defense

- Always on, in-line, detection and mitigation of DDoS attacks ranging from sub 100Mbps to 40 Gbps.
- Can stop inbound and outbound DDoS attacks, malware, and C2 communication.

Arbor Sightline + Threat Mitigation System (TMS)

- Arbor Sightline provides pervasive network visibility and DDoS attack detection.
- Arbor TMS provides out-of-path, stateless, surgical mitigation of DDoS attacks as large as 400 Gbps.

ATLAS Intelligence Feed

- Global visibility and threat intelligence continuously arm all products and services.
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