

# How Does NETSCOUT DDoS Protection Work?

## DDoS (Distributed Denial of Service)

NETSCOUT's Arbor DDoS solution has been protecting the world's largest and most demanding networks from DDoS attacks for more than a decade. We strongly believe that the best way to protect your resources from modern DDoS attacks is through a multi-layer deployment of purpose-built DDoS mitigation solutions.

Only with a tightly integrated, multi-layer defense can you adequately protect your organization from the full spectrum of DDoS attacks.

- Arbor Edge Defense (On-Premises)
- Arbor Sightline/Threat Mitigation System (High Capacity On-Premise Solution for Large Organizations)

Both solutions share the same principle of detecting attacks based on continuously monitoring clients traffic behavior. In the case of a DDoS attack the malicious traffic is filtered and the clean/wanted traffic is forwarded to its desired destination.

## Arbor Edge Defense

Arbor Edge Defense (AED) is an inline security appliance deployed at the network perimeter (i.e. between the internet router and firewall). AED's unique position on the network edge, its stateless packet processing engine and the continuous reputation-based threat intelligence it receives from NETSCOUT's ATLAS® Threat Intelligence feed enable it to automatically detect and stop both inbound threats and outbound communication from internal compromised hosts – essentially acting as the first and last line of defense for organizations.

## Sightline/TMS

Built for owners of small to large and complex networks and proven to scale cost-effectively across your entire global network, Arbor Sightline analyzes various forms of network telemetry from across the network to transform raw data into business intelligence. This enables you to act on these insights to solve your business problems from network planning and engineering to service availability and enablement. Working in conjunction with our Arbor Sightline solution, which provides visibility and threat detection, Arbor Threat Mitigation System (TMS) surgically removes DDoS attack traffic from your network without disrupting key network services.

## Monitoring and Visibility

Besides protecting your network and services by detecting and mitigating DDoS attacks, NETSCOUT's Arbor DDoS solution will provide you with valuable real-time information about top-talkers, applications, and countries. It also allows you to capture traffic for further packet analysis. Regular reports keep you informed about incidents and developments in your network for given period of time.