

Billion-Dollar Consulting Firm Increases DDoS Attack Management to Ensure Amplified Employee VPN Traffic Coverage Due to Coronavirus

The Situation

A multi-billion dollar global professional services firm focusing on risk and insurance services headquartered in the United States currently uses Arbor Edge Defense (AED) in data center locations globally to provide DDoS protection. The initial push for the AED devices was to provide protection for the VPN gateways facing the Internet. This was a direct result of the recognition that if their VPN gateway IP addresses were attacked, it would disrupt the work-from-home employees affecting productivity. In addition, Arbor Cloud provides Carrier Agnostic global DDoS protection along with automated signaling from the AED devices in each location to augment DDoS attack management and mitigation with Arbor Cloud™.

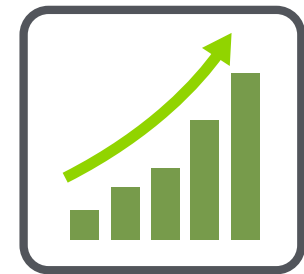
The Details

With the onset of the Coronavirus outbreak, the consulting firm wanted all global employees to work from home and use VPN to access their data centers, which led to upgrades in the internet circuits to handle the anticipated increase in traffic. This increase in traffic will also expand the threat landscape within the organization's network. The AED devices protect locally until the Internet bandwidth is consumed and then automatically signals Arbor Cloud for cloud-based DDoS attack mitigation. As a result, AED mitigation capacity needed to be upgraded along with the internet circuits to correspond with the increase in VPN traffic. Since the company had AED 2600's, this was simply a software license upgrade to go from 5G to 10G and was simplified by the fact that NETSCOUT® has global procurement in UK, Canada, LATAM, and Australia as well as US to support them.

The Results

The increased DDoS management and mitigation capacity provides the organization and their employees confidence that they will be protected from DDoS attacks that can disrupt their business activity and even damage the organization's reputation while temporarily working from home. The organization was satisfied with the flexibility of the AED license configuration and the ability of NETSCOUT to execute on a global procurement effort quickly and to the organization's crisis timeline.

CUSTOMERS REQUIRE FLEXIBLE LICENSING AND RAPID REACTION TIME



TO SCALE AND MEET CRISIS NETWORK TRAFFIC AND SECURITY NEEDS

Due to NETSCOUT's flexibility in licensing, global presence and ability to react swiftly, the customer was able to meet their crisis goals quickly and efficiently.

Intelligently Automated, Best Practice 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 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. 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

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 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.

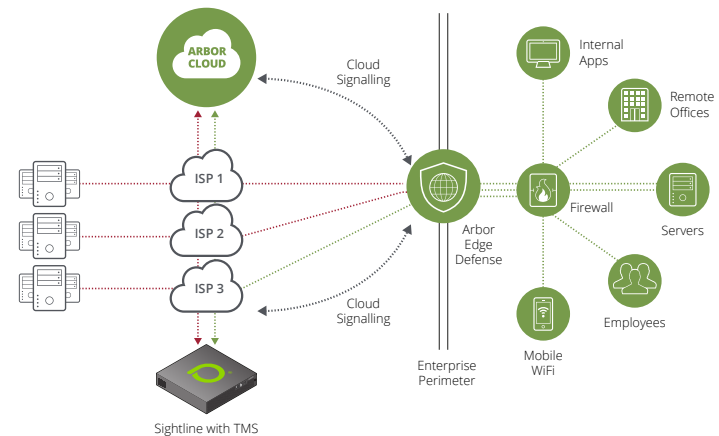
On-Premise Protection

For larger networks and more experienced DDoS attack mitigation teams, Arbor Sightline and 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 inbound DDoS attacks. For larger DDoS attacks, AED's Cloud Signaling™ will intelligently link to 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	<ul style="list-style-type: none"> • A fully managed, tightly integrated combination of in-cloud and on-premise DDoS protection. • 24/7 managed DDoS protection with 14 scrubbing centers around the world providing over 11 Tbps of mitigation capacity.
NETSCOUT Arbor Edge Defense	<ul style="list-style-type: none"> • Always-on, in-line, detection and mitigation of DDoS attacks ranging from sub 100 Mbps to 40 Gbps. • Can stop inbound and outbound DDoS attacks, malware, and C2 communication.
Arbor Sightline & Threat Mitigation System (TMS)	<ul style="list-style-type: none"> • Arbor Sightline provides pervasive network visibility and DDoS attack detection. • Arbor TMS provides out-of-path, stateless, surgical mitigation at up to 400 Gbps per 2U device.
Arbor Sightline with Sentinel	<ul style="list-style-type: none"> • Intelligently optimize mitigation based on infrastructure capability to block attacks in the most efficient and scalable way. • Share attack data and request mitigation help from other networks. • Detailed reporting to see exactly what is being dropped, where, and why.



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