

IT Organization Realizes Their DDoS Mitigation Solution Is Not Working With Large Scale Relentless DDoS Attacks

The Situation

An innovative IT services partner organization for companies in the finance and insurance sectors in Europe provides cloud services along with application operations, plus also tackles classic data center services. Their solutions allow banks, financial service providers and insurance companies to work more successfully, become more efficient and optimize their IT costs. They work with other providers in the development of tailor-made applications and services for the finance and insurance industry. The result is the provisioning of state-of-the-art technologies that assist their customers with getting aligned with governmental regulatory requirements.

The Details

The organization fell victim to a targeted DDoS attack in December, which caused some services they hosted for a major German online bank to crash. The service was not available for almost 2 days and online transactions were not possible. Another follow-on attack was directed against the online presence of the company and a partner company, with this service also not available for a few days.

After their existing Anti-DDoS protection solution repeatedly failed to protect the services from the attack, NETSCOUT® was asked to step in and immediately supported them in the form of expertise and advisory consulting. The mitigation of the attack and the loaner hardware required were executed and provided by a partner. Although the mitigation came through a partner, it ultimately was executed with

NETSCOUT Arbor Smart DDoS Protection products. After extensive testing and strong recommendation from the partner, it was decided that the old solution should be replaced by NETSCOUT.

They acquired 4 Arbor Edge Defense (AED) 2800s along with 3 years of service.

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 due to protected customer services being taken out. 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.

NETSCOUT MITIGATION EXPERTISE



DRIVES DDoS SOLUTION REPLACEMENT DECISION

Due to NETSCOUT's flexibility in licensing, global presence and emergency mitigation capabilities, 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.

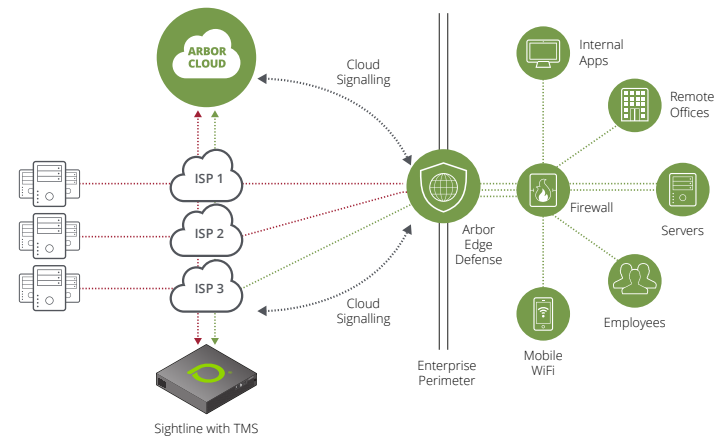
On-Premise Protection

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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