

## Large Service Provider in Western Europe Helps Customers Protect Their Network Even As VPN Traffic Explodes Due to Global Pandemic

### The Situation

A large telecommunications service provider in Western Europe, which in 2019 achieved revenue of over 8 billion of which 25% came from their enterprise customers, realized that many of their customers were observing increases in network traffic due to a growing number of employees working from home as a result of the Coronavirus.

### The Details

This organization offers a bundled communication service to its enterprise customers with security being a major component of the bundle. With the arrival of the COVID-19 Pandemic to Europe, some of their enterprise customers were expressing concern over the potential increase of their threat landscape because of the increase in devices connecting to their networks via VPN. This increase was a direct result of employees working from home and connecting to internal applications within the networks. To alleviate the customer's concerns, the company decided to increase their threat management and mitigation ability by increasing their AED-2600 capacity from 2G to 10G. With the help of the local NETSCOUT® sales team, and using the AED-embedded software licensing technology, they easily upgraded their licenses.

### 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.

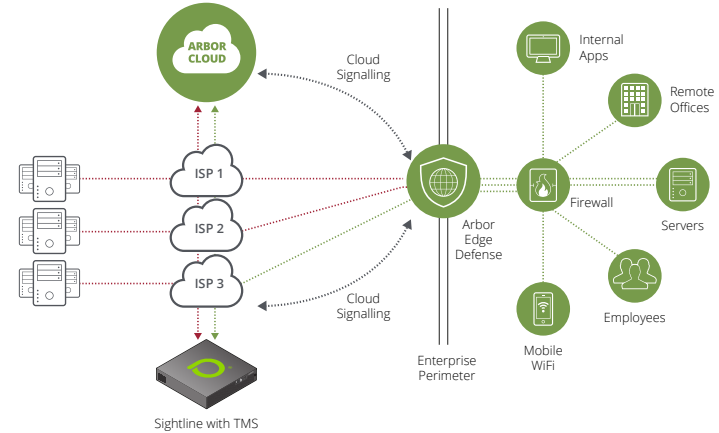
### On-Premise Protection

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



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NETSCOUT offers sales, support, and services in over 32 countries. Global addresses, and international numbers are listed on the NETSCOUT website at: [www.netscout.com/company/contact-us](http://www.netscout.com/company/contact-us)