

# How Does NETSCOUT Anti-DDoS Work With Cisco?

## NETSCOUT Anti-DDoS Integration

NETSCOUT® provides customers with comprehensive network visibility to help detect and understand threats, while removing DDoS attack traffic at any point in the network to keep services flowing. As part of the Cisco SolutionsPlus Program, customers are able to easily access NETSCOUT's Arbor Anti DDoS solutions to defend their networks.

NETSCOUT's Arbor Anti DoS provided under the Cisco SolutionsPlus Program include both major solutions:

- Arbor Edge Defense (In-Line)
- Arbor Sightline/Threat Mitigation System (Flow-based, Solution for Large Organizations)

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

### Arbor Edge Defense (AED)

Arbor Edge Defense (AED) is an inline security solution deployed at the network perimeter. AED's unique position on the network edge, its stateless packet processing engine and the continuous reputation-based threat intelligence enable it to automatically detect and stop both inbound threats and outbound communication from internal compromised hosts.

As part of the Cisco SolutionsPlus Program, AED software (vAED) runs as a virtual machine on the following Cisco network elements:

### Cisco ISR 4000 Series With NETSCOUT vAED

In conjunction with Cisco 4000 Family Integrated Services Router (ISR) NETSCOUT vAED adds Anti-DDoS security to Cisco's SDWAN offering for a converged branch architecture. The vAED resides as a Virtual Network Function (VNF) on a UCS-E Series server card.

### Cisco ENCS with vAED

NETSCOUT vAED can be installed on a Cisco ENCS family compute appliance as part of a Software-Defined Branch (SD-Branch) architecture.

### Cisco UCS With NETSCOUT vAED

In the Datacenter NETSCOUT vAED is deployed as virtual machine on top of a hypervisor, e.g. VMware or KVM, on a Cisco UCS Series server. Integrating NETSCOUT DDoS protection provides an additional level of security to Cisco's Unified Data Center.

### Sightline/TMS With Cisco UCS

Built for complex networks Arbor Sightline analyzes various forms of network telemetry at very high scale. Working in conjunction with our Arbor Sightline solution Arbor Threat Mitigation System (TMS) surgically removes DDoS attack traffic from your network without disrupting key network services.

Both applications Sightline and TMS are available as software only components to run on Cisco UCS series servers. Virtual Sightline is deployed as a Virtual Machine on UCS supporting VMware, XEN, and KVM hypervisors. Arbor Software TMS can be installed as VM or bare metal hardware installation to protect your infrastructure and your customers against the most complex DDoS attacks.