Cisco ASR 9000 vDDoS Protection Solution

Virtual, Network Embedded DDoS Protection,
Powered By Arbor Networks

Arbor Networks, the undisputed industry leader of DDoS attack research, products and services has partnered with Cisco Systems, the industry leading network infrastructure vendor to provide the most comprehensive DDoS Attack Protection solution on the market today.

Arbor Peakflow Threat Management System (TMS) = ASR 9000 with Virtual Services Module (VSM) — Up to 40 Gbps Mitigation per VSM = *Cisco ASR 9000 vDDoS Protection* "Powered By Arbor Networks"

Combined Arbor & Cisco DDoS Protection Solution

The combination of Arbor Threat Management System appliances along with Cisco ASR 9000 embedded vDDoS Protection provides the most comprehensive DDoS protection solution in the industry.

1. **A single, Arbor Peakflow console** used for Netflow analysis, DDoS attack detection(in as little as 1 second), alerting and reporting.

2. **Cisco TMS-VSM** embedded in Cisco ASR9k routers distributed in dedicated peering edges, data centers, customers edges etc. (40 Gbps mitigation per VSM)

3. **Arbor TMS 4000** appliance in regional scrubbing centers or where ASR9K do not exist. (40 Gbps mitigation per TMS4000)
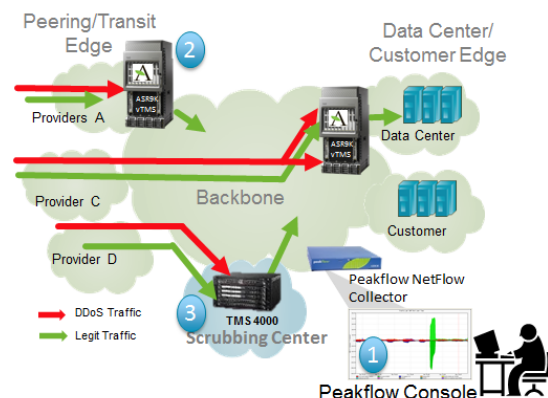
Cisco ASR 9000 vDDOS Protection Solution:

Key Capabilities:	Key Requirements:
• 40 Gbps and 26 Mpps of mitigation capacity per VSM with vDDoS Protection • Supports multiple VSMs per ASR 9000 each with vDDoS Protection • Port-based blacklisting	• Arbor Peakflow and Threat Management System v7.01 • 1+ Arbor SP6000 appliance running Peakflow Flex Core Collector • Cisco ASR 9000 (9904, 9906, 9910, 9912, 9922) • Cisco ASR v5.3.0, KVM 1.7.0, Windriver 4.3

Key Features & Benefits

Leverage Existing Cisco ASR Deployment
Increase the ROI of your existing Cisco ASR 9000 router deployment by embedding virtual DDoS Protection into your network environment.

Comprehensive DDoS Protection
The combination Arbor Threat Management System appliances along with Cisco ASR 9000 embedded vDDoS Protection, provides the most comprehensive DDoS protection solution.

DDoS Protection at Network Edge
The ASR 9000 with embedded vDDoS Protection stops DDoS attacks at the network edge, eliminating the need to route attack traffic to centralized scrubbing centers for cleansing.

Virtual DDoS Protection Services
A virtual version of Arbor's Threat Management System runs on the ASR 9000 Virtual Services Module enabling service providers to bring DDoS Protection services to market quicker.

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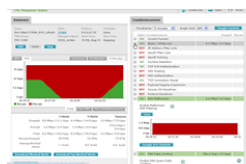
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