

Cisco ASR 9000 vDDoS Protection Solution

Virtual, Network Embedded DDoS Protection
Powered by Arbor Networks

Key Features and Benefits

- Leverage Cisco ASR 9000 Deployment
- 40 Gbps of comprehensive DDoS network protection per VSM
- Up to 10 Tbps of Blacklisting capacity
- Virtual DDoS Protection Services
- Unified TMS with Attack Mitigation Workflows



#1 in DDoS Solutions and Research



#1 in Network Infrastructure



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 Cisco ASR 9000 vDDoS Protection solution



The Security Division of NETSCOUT

Arbor Networks, the de facto leader in DDoS detection and mitigation, has partnered with Cisco Systems, the industry leading network infrastructure vendor to provide the most comprehensive DDoS attack protection solution on the market today.

Benefits of Combining Arbor's DDoS Protection Technology with Cisco's Router Technology

- Increase the ROI of your existing Cisco Aggregation Services Router (ASR) 9000 router deployment by embedding virtual DDoS protection into your network environment without additional rack space, power, or cooling, cabling, ports, nor import taxes on your hardware for international locations.
- The combination of the Arbor Networks® TMS with the Cisco ASR 9000 Router has created the Cisco ASR 9000 vDDoS Protection solution. This is most comprehensive DDoS protection solution for your network edge and leverages the most effective campaign-level threat intelligence feed for DDoS and related attacks.
- 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 and maintains the availability of your network edge.
- The ASR 9000 powers a virtual Threat Management System on its Virtualized Services Module (VSM) enabling service providers to deliver DDoS protection services to market fast.
- The TMS interface enables complete management of your TMS solution, Threat Management System, and Cisco ASR 9000 vDDoS Protection deployments with attack mitigation workflows to defend your availability.

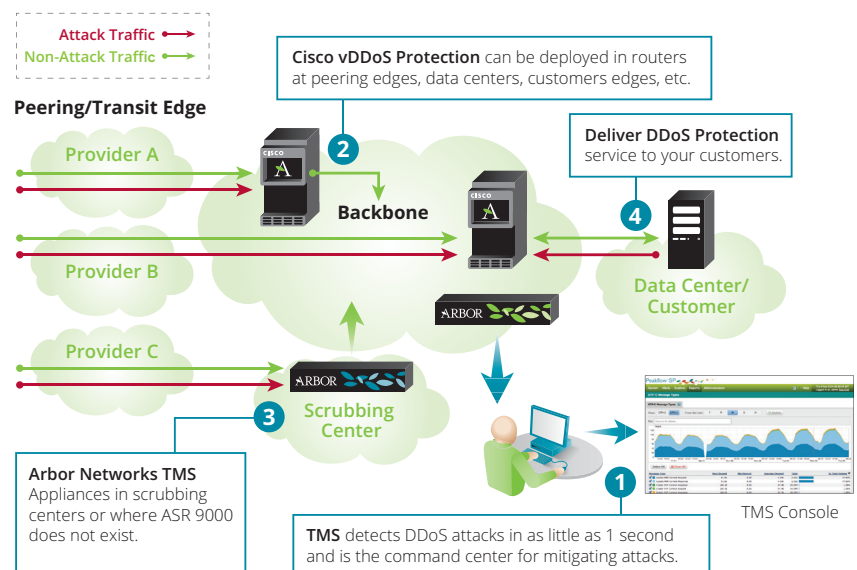


Figure 1 The power of the combined DDoS protection solution from Arbor and Cisco



The Cisco ASR 9000 Series Aggregation Services Routers (ASR 9000)



The Cisco ASR 9000 Series Virtualized Services Module (VSM)

Cisco ASR 9000 vDDoS Protection Solution

Powered by embedded virtual Arbor Networks' TMS

Throughput	<ul style="list-style-type: none"> • Up to 40 Gbps, 27 Mpps • Up to 20 Gbps, 27 Mpps • Up to 10 Gbps, 27 Mpps
Mitigation	Up to router port capabilities
Supported Routers	Cisco ASR 9000 Routers: 9006, 9010, 9912, 9922
Requisite Components	<ul style="list-style-type: none"> • DDoS Attack Detection/Mitigation: TMS (version 7.01+) • Router: Cisco ASR 9000 Router (IOS-XR release 5.3.0+) • Virtual Platform: Cisco Virtualized Services Module for the ASR 9000 • DDoS Protection: Cisco ASR 9000 vDDoS Protection Solution
Router Slots	1 router slot per VSM, multiple VSMs per router

For more information on Cisco ASR 9000 vDDoS Protection visit:

www.arbornetworks.com/asr9000

For more information on the ASR 9000 visit:

www.cisco.com/go/asr9000



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About Arbor Networks

Arbor Networks, the cyber security division of NETSCOUT, helps secure the world's largest enterprise and service provider networks from DDoS attacks and advanced threats. Arbor is the world's leading provider of DDoS protection in the enterprise, carrier and mobile market segments, according to Infonetics Research. Arbor's advanced threat solutions deliver complete network visibility through a combination of packet capture and NetFlow technology, enabling the rapid detection and mitigation of malware and malicious insiders. Arbor also delivers market-leading analytics for dynamic incident response, historical analysis, visualization and forensics. Arbor strives to be a "force multiplier," making network and security teams the experts. Our goal is to provide a richer picture into networks and more security context so customers can solve problems faster and reduce the risks to their business. To learn more about Arbor products and services, please visit our website at arbornetworks.com. Arbor's research, analysis and insight, together with data from the ATLAS global threat intelligence system, can be found at the ATLAS Threat Portal.