

Product Specifications: DefenseFlow 2.1 Out-of-Path Network DDoS Protection

Feature/Capability	DefenseFlow
Attacks detection	
Type of attacks detected	<ul style="list-style-type: none"> TCP network flood attacks UDP network flood attacks ICMP network flood attacks Other: IP floods
Detection methods	<ul style="list-style-type: none"> Adaptive behavioral detection engine <ul style="list-style-type: none"> Adaptive engine creating normal traffic baselines per protected object for rate and rate-invariant traffic parameters Adaptive expert system detects attacks based on deviations from normal baselines per protected object and traffic type Manual detection mode based on traffic rate-based threshold Indications from external security devices
Security Policy Settings	
Protected object - supported network classification per policy	<ul style="list-style-type: none"> IP address or IP addresses set IP Subnet mask, CIDR Virtual network ID: VLAN
Number of protected objects supported per DefenseFlow application	500
Management & Monitoring	
Configuration management interface	REST API, CLI and Web UI
Security logs interface	Web UI
Security logs sources	Collected from DefenseFlow and DefensePro mitigation devices to provide unified event log view
Real-time traffic monitoring statistic interface	Web UI
Out-of-Path Deployment	
Number of supported Radware's DefensePro mitigation devices	10
Protected object baseline synchronization with Radware's DefensePro mitigation device	Automatic
Policy synchronization with Radware's DefensePro device	Automatic
"Short" Traffic Redirection	
Traffic redirection to local mitigation device	Supported for both SDN and BGP redirection
Traffic redirection granularity	Suspected traffic type per protected object
Short traffic redirection modes	Ingress only
"Long" Traffic Redirection	
Traffic redirection to remote mitigation device	Supported for both SDN and BGP redirection
Traffic redirection granularity	Suspected traffic type per protected object
Attack Mitigation	
DP Mitigation device version	DefensePro version 7.4x
Clustering of DP mitigation devices	Yes,
Environment Compatibility	
SDN controllers support	ALU SAM, Cisco OSC
xFlow statistics collectors support	<ul style="list-style-type: none"> Radware's Flow collector
External detectors	Pluggable API to 3 rd party detectors

Software Specifications

Feature	DefenseFlow
Software specifications	
Supported environments	Install package for general purpose server, VMware ESXi 5.x
Software package	Includes installation of Vision management system on single platform
Minimal Requirements for general purpose server	
Processor	8 CPUs
Memory	24 GB
Hard drive	500 GB
Network connectivity	4 NICs
Minimal Requirements for VA over VMware ESXi 5.x	
Memory	8 GB
Hard drive	50 GB

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