

NTA-FLB

NSFOCUS FLOW LOAD BALANCER

OVERVIEW

With the rapid development of various Internet services, network security issues have become increasingly prominent, and people see much more cyberattacks and volumes of traffic data than ever before. The increasingly complex network traffic composition and the emergence of massive abnormal traffic make in-depth traffic analysis more critical and an essential part of any organization's security program for visibility into their network.

NSFOCUS NETWORK TRAFFIC ANALYZER (NTA) - DETECTS DDoS ATTACKS

The NTA is a DDoS attack detection appliance that identifies attacks through traffic flow monitoring. It monitors network activities by receiving and analyzing xFlow data from the border, core, and edge routers and accurately identifies DDoS traffic from other traffic streams leveraging an innovative, multi-stage DDoS detection engine. Users can customize alert plugins on the NTA with specific signatures to extend the NTA's detection capability. Also, the NTA can automatically rely on machine learning to generate a dynamic threshold baseline. Multiple response actions are available, including BGP diversion, DDoS traffic diversion, Flowspec BGP, and Remotely Triggered Black Hole (RTBH).

In today's increasingly complex network environment, the maintenance team is often perplexed by the imbalanced situation that some of the deployed NTA are excessively overloaded while others are used scarcely. When the number of received flows is unexpectedly low, the maintenance team would manually adjust the infrastructure deployment. Conversely, when the flows received exceed the affordable capacity of collectors, the immediate response that first comes to the mind of the maintenance team is to increase the number of hardware devices to cope with the need, which will adversely cause waste in hardware investment and network management inefficiency.

NSFOCUS NTA- FLOW LOAD BALANCER (NTA-FLB) - DETECTS DDoS ATTACKS

NTA-FLB can collect network flow traffic in a centralized manner, and distribute traffic over multiple NTA devices, improving the performance of the overall network traffic analysis solution.

KEY BENEFITS

Quick and easy deployment

Flow load balancing

Mass traffic collection

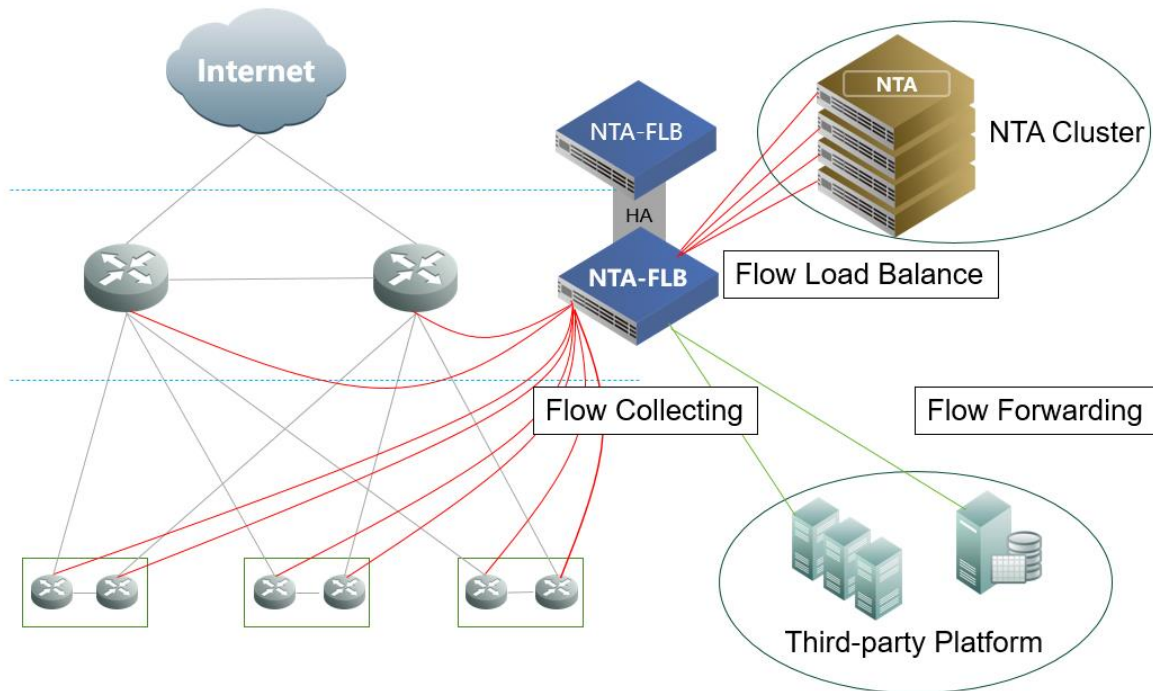
Multi-level traffic collection & de-duplication

Multi-node flow forwarding

Boost NTA efficiency and achieve high availability

Flexible expansion

IPv4/IPv6



MASSIVE FLOW COLLECTING & DE-DUPLICATION

NSFOCUS NTA-FLB receives and centrally manages massive Flow data from all routing nodes, and distributes Flow to NTAs for detection, analysis, reporting, etc. In addition, NTA-FLB can de-duplicate Flow data to adapt to the network environment of multi-level routers.

FLEXIBLE LOAD BALANCING OPTIONS

NSFOCUS NTA-FLB distributes Flow data over NTAs by router, region, or IP address to satisfy customers' different traffic analysis perspectives.

MULTI-NODE FORWARDING

Centralized management and forwarding of Flow data through NSFOCUS NTA-FLB can also meet the requirement of reusing Flow data over multiple platforms. On the one hand, it helps simplify operation and maintenance; on the other hand, it reduces the router's pressure of repeatedly collecting.

IPv4/IPv6

In response to the trend of network transition from IPv4 to IPv6, NSFOCUS NTA-FLB fully supports IPv4/v6 network environment, covering various traffic analysis in IPv4/v6 network environment, effectively protecting customer investment.

SPECIFICATIONS

ITEM	NTANX3-FLB2200
CPU	Intel Core i7 7700 CPU @3.60GHz
Memory	32G
Storage	8G CompactFlash (CF) Card
Interface	2* USB 1* RJ45 Serial 2* RJ45 Management 4* GE Copper
Expansion slot	3
Optional Network Interface Module (NIC)	4* GE copper 8* GE copper 4* GE SFP 8* GE SFP 2* 10GE SFP+ 4* 10GE SFP+
Dimensions (W*D*H)	17.1"x22"x3.5" 2 RU
Weight	44.1 lbs
Temperature	Operating: 32-113° F (0-45° C) Storage: -4-149° F (-20-65° C)
Management	HTTPS, SSH
Power	AC/DC Dual Power Supply 300W
MTBF	60,000 hours

PERFORMANCE

ITEM	NTANX3-FLB2200
Flow Collection Capacity	Up to 5000k Flow/s
License Option	500k Flows/s 1500k Flow/s 3000k Flow/s 5000k Flow/s
Maximum Monitored Routers	200
Maximum Monitored Router Interfaces	512
Maximum Managed NTAs	96
Maximum Configured Regions	512
Maximum Forwarding Objects	128