

軟體式可視化系統

Software Based Network Visibility System

Zenya's Software Based Network Visibility System optimizes cyber security and performance monitoring applications by delivering the required data in the right volume and the correct format. Cyber and monitoring tools are required to handle incoming traffic from multiple visibility devices including TAPs, SPAN ports and NPB (Network Packet Broker) appliances. The volume and diversity in the types of traffic can be overwhelming to these tools. Duplicated packets may cause applications to be stretched to the limits of their processing power whereas packets with multiple headers (e.g. MPLS, VLAN tags, ERSPAN etc.) are often unrecognized by these tools and are typically dropped. The Software Packet Broker supports ports on the PC of 1/10/25/40/100Gb, plus additional configurable monitoring/Tap ports. This flexibility lets you configure the system with multi-purpose bypass segments, or with I/O packet broker ports, or any combination of bypass segments and packet broker ports.

Main Features:

Mapping traffic flow relationships between source and destination ports:

- Aggregate traffic to single port
- Replicate same traffic to multiple ports
- Sophisticated filtering L2-L4, User Defined Byte (UDB)
- GRE Tunnelling
- VLAN support for filtering, stripping and modifying
- User configurable packet heartbeat (ns resolution)
- Ingress and egress filters
- AND/OR/NOT Operators
- Inner Tunnel Filtering

Advanced Features:

- User defined virtual bypass segments
- Layer-7 Filtering (Perform DPI and identify thousands of layer 7 protocols)
- Regex Filtering (Identity and filter traffic that includes specific strings)
- Session Tracking (Track the entire session once the desired pattern has been identified)
- Weighted Load Balancing (Distribute traffic across multiple tools and prevent over-

subscription)

- Header Stripping (Modify MAC, VLAN and IP header)
- Header Editing (Modify MAC, VLAN and IP headers)
- Deduplication, Data Masking, Packet Slicing
- Time Stamping





Sample Screenshot:







Edit IPv4 Session List				
+ Add	Delete 💿 Sho	w All Source	e Cestination	Src Or Dst
		Logical negation: INC	Source N/A Destination N/A So	urce or Destination
192.168.0.0/24			source	
192 . 168 .	5 . 0 / 24 : range allow		Mask > Src < Ds	t C> Src Or Dst

Filter filters/2		✓ Apply 🛛 🛇
Filter Attributes		~
Name :	test2	
Description:	Set the titler's name, max size 14 chars test2	
Admin :	Set the filter's description, max size 32 chars Enable Disable	
Action :	Set the filter's admin status Drop Redirect Copy	y
Input-ports :	Set the action to take when the filter matches 1	~
Output-ports :	Set the legut ports group for this filter 3	V
Output-LB-group :	Set the output ports for this filter (Set the output load balancing group for this filter Set the output load balancing group for this filter	~
Logical operation :	AND OR	
	Pass packets that match ALL of the specified criteria Pass packets that match ANY of the specified criteria	
L2 Filter Paramet	Pass packets that match ALL of the specified oriteria Pass packets that match ANY of the specified oriteria Pass packets that match ANY of the specified oriteria Pass packets that match ANY of the specified oriteria	^ ~
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