Open Packet Broker (OPB) Solution Brief

Enhancing Network Traffic Monitoring for Next Generation Data Center Demands

NPB Revolution: Why Traditional Approaches are Obsolete

Network Packet Brokers (NPB) have been a critical component of the enterprise infrastructure for decades. Typical NPB solutions are appliance-based, and proprietary in nature, making them expensive and inflexible. Evolution of application-driven networking has been lauded by many industry leaders. Recent advancements in ASICs have increased their programmability, TCAM scale, and introduced flexible matches and actions. This creates opportunities to disaggregate the software and hardware components for packet broker solutions while meeting the performance and capacity requirements of the enterprise.

Open & Cost-Effective Packet Broker

Aviz's Open Packet Broker is the industry's first software-based containerized application built on top of the open-source SONiC to enable monitoring and security tools to access the network traffic. It is truly disaggregated because it can be deployed of your choice of Switch/ASIC hardware, as long as it supports SONiC. OPB enables you to easily scale up or down to meet the ever-changing needs of network visibility and security tools, empowering you to manage demand with maximum efficiency.

Benefits

Cost Reduction
Disaggregated NPB solution eliminates proprietary appliances significantly reducing the CapEx and OpEx.

Lock-in Freedom
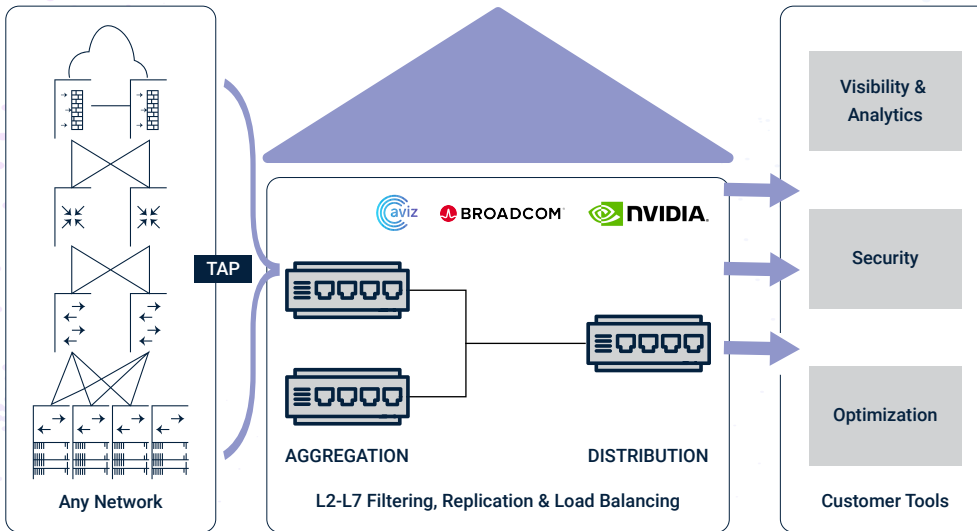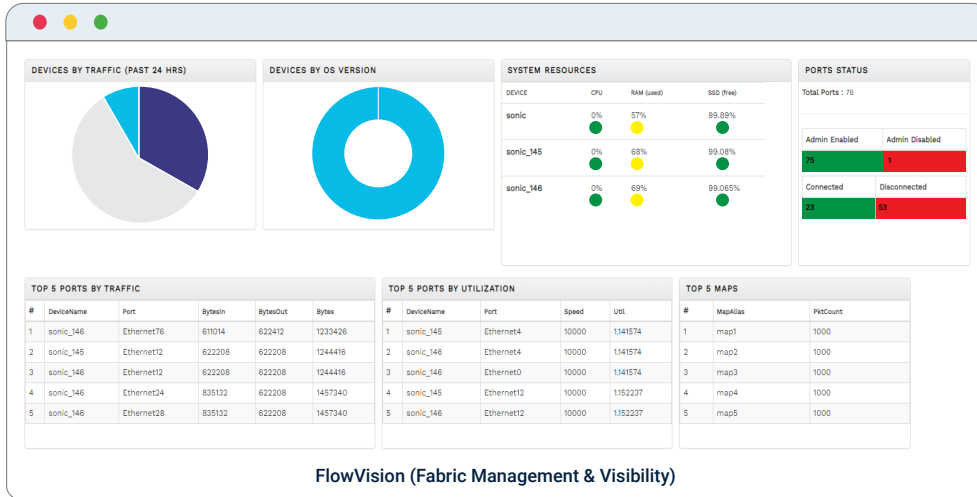Easy integration with open-source and commercial tools for performance and security monitoring.

Unleashed Efficiency
Allows for the choice of hardware to leverage available speeds (from 10GbE to 400GbE).

Future Ready
AI-Enabled application Data-driven networking for Data center and Telco deployments.

FlowVision (Fabric Management & Visibility)

Functions	Features
Packet Monitoring	• Layer 2/3/4 filtering, forwarding and load balancing • Packet Marking, Replication, Sampling, Timestamping • UI, API & CLI • SSH, Radius, TACACS, SNMP, NTP
Storage Optimization & DPI	• Packet Slicing • User Defined Filtering • Generic Header Filtering (MPLS, GRE, VXLAN, IP-in-IP) • VXLAN Tunneling
5G Monitoring	• GTP Filtering - Inner IP header, TEIDs • Symmetric Load balancing

How to Procure -

- NVIDIA bundle *NVIDIA AVIZ OPB Bundle*
- Edgecore bundles *AVIZ Bundle, Edgecore Aviz Bundle*

To book a demo visit our website : **www.aviznetworks.com**