DPB
Disaggregated Packet Broker

PalC NETWORKS

Overview:

The Disaggregated Network Packet Broker (DPB) is a modern and flexible solution designed to provide comprehensive network visibility and optimization. Built on open hardware, DPB is preloaded with ONIE and compliant with OCP hardware standards. Leveraging the power of open-source NOS SONiC, DPB provides an easy-to-manage, container-based architecture for deploying packet broker solution. Software-defined TAPs & aggregators allow simpler provisioning for capturing and analyzing network traffic without the need for proprietary hardware. With its highly flexible & scalable architecture, the Disaggregated Network Packet Broker is an ideal solution for managing and optimizing network traffic in a variety of environments, delivering superior performance and efficiency to meet the most demanding networking requirements.

Salient features:

• Open hardware based and out of band deployment

• Traffic aggregation, flow-aware load balancing

• Packet replication capability for multiple egress ports

• Filtering: Multiple filter support, L3/L4 based header

• Source port labelling (VLAN tagging & untagging)

• Support for multiple simultaneous filters:
   (IPv4 & IPv6 traffic)

• Realtime Port/Packet statistics, SNMP Alerts

• SONiC CLI, Industry Standard CLI (ISCLI), and
  Rest-API-based provisioning models

• Supporting the functionality for multiple port speeds
  up to 400G

• Port Breakout: 40G to 4x10G, 100G to 4x25G, etc.

Disaggregated Packet Broker
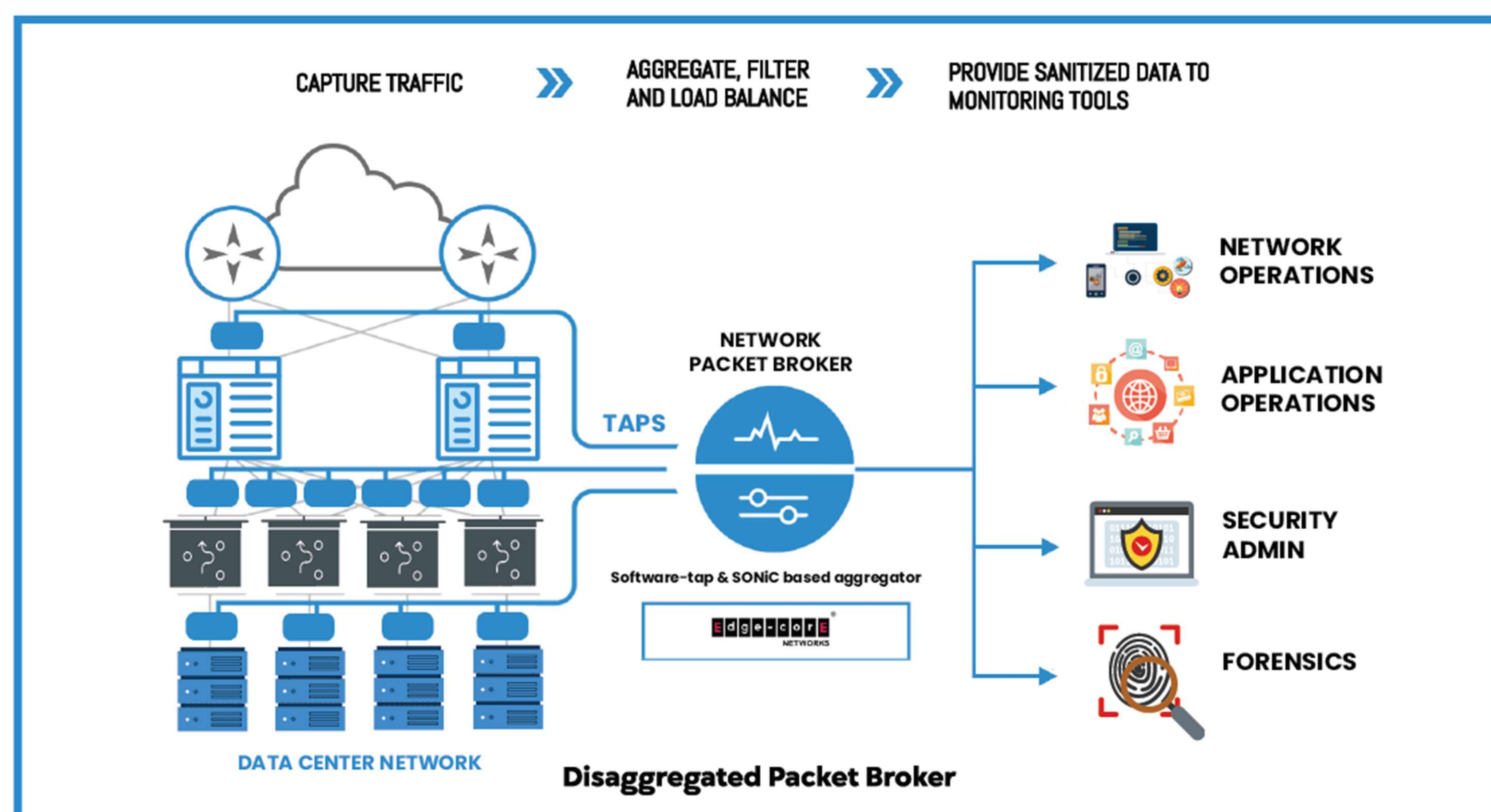
Roadmap features:

• Tunnelling and conditional header stripping support for L2GRE and VxLAN tunnels.
• GUI for ease of use
• Redfish management API integration
• Inline deployment

Supported hardware boxes

• Edgecore AS 7712-32X

• Edgecore AS 5835-54X

• Edgecore AS 7716-32X

• Edgecore AS 5812-54X