![CGS Tower Networks Ltd logo]

Products that open your eyes

CGS Software Defined Packet Brokers

Product Overview

In today's modern network architectures, cyber security and monitoring tools are challenged with data overload and lack of network visibility. The **CGS packet broker** solutions resolve these challenges by delivering the required network traffic in the right volume and in the correct format, resulting in improved service levels and significant reduction in cyber security risks.

The CGS Advantage

CGS is revolutionizing the packet broker industry by disaggregating packet broker hardware and software with its UVA (Unified Visibility Software Architecture), allowing its customers to choose and benefit from a wide selection of modern, high quality mass production Servers, White Box Broadcom Switches and Network Appliances that scale from the smallest to the most powerful packet broker in the industry. UVA streamlines deployment of new hardware platforms, allowing CGS to lead the market with the most advanced Broadcom switches and Network Appliance platforms, offering the best performance and the most extensive feature sets. Moreover, the disaggregation reduces cyber security risks by separating between the purchase process of the packet broker hardware and software.

Use Cases

- Portable packet broker for mobile cyber security teams
- Identify traffic generated from over 1M black listed IP address and 150K URLs
- Remove duplicated packets to optimize cyber and monitoring application performance
- Strip MPLS headers to enable monitoring of MPLS networks
- Perform DPI and Layer-7 filtering
- Deploy packet broker and BRO/SNORT software on a single server
- Data capture for offline analysis
- Defer application license expansions by adjusting and load balancing high and low rates
- Purchase packet broker software and deploy it on your selected certified hardware
- Adjust and support all common rates including 1G, 2.5G, 10G, 25G, 40G, 50G, 100G

x86 | Power8 / ARM @DPDK

Switch / Broadcom

VM / NFV
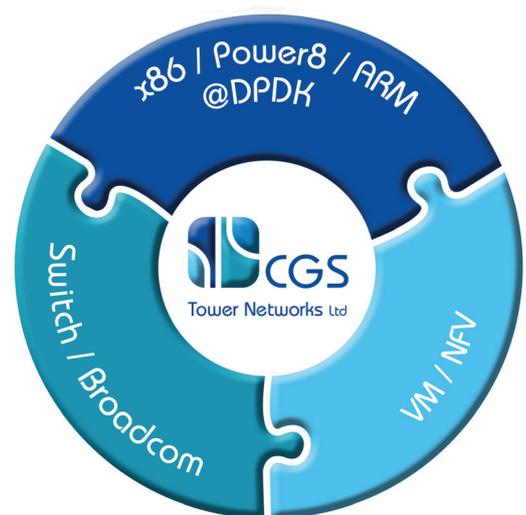
CGS Unified
Visibility Software Architecture

Features and benefits

Features	benefits
Aggregation	Aggregate and redirect network traffic for further processing
Filtering	Filtering out unnecessary network traffic with conditional 5-tuple classifiers
Simplified Operation	AND/OR/NOT operators and port ranges in a single filter operation
Layer-7 Filtering	Identify thousands of layer 7 protocols
Regex Filtering	Identity and filter traffic that includes specific strings
Load Balance	Symmetric/asymmetric load balancing of network traffic to multiple tools
Session Tracking	All packets associated with the matched pattern will be sent to the egress tool
Port Labelling	Track packet path by adding VLAN tags that indicate its ingress port
Header Stripping	Remove headers (MPLS, VLAN, PPP, QinQ, VN-TAG, VXLAN, GRE, GTP, ERSPAN)
Deduplication	Maximize tool performance by eliminating duplicated packets
Data Masking	Protect sensitive data by overwriting it before it is sent to the tools
Packet Slicing	Reduce data overload by removing packet payload and/or any unnecessary data
Capping & Sampling	Reduce traffic by sampling traffic and/or limiting sampling rates
Time Stamping	Enhances network visibility with nanosecond time stamping capabilities
Capture	Capture PCAP files in filter granularity for further analysis
De-Fragmentation	Assemble packet fragments to complete packets
IPFIX/NetFlow	Generation and distribution of IPFIX/NetFlow flows
Tunnelling	GRE tunnelling to connect packet brokers across sites with L2/L3GRE protocol
Management	Web UI, CLI, SNMP, Net CONF, REST API

For more information about the products and support programs
please contact us at info@cgstowernetwoks.com

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