

IXIA CLOUDLENS VIRTUAL PACKET BROKER

OVERVIEW

The Ixia CloudLens Virtual Packet Broker (vPB) is a packet processor for virtual infrastructures. It aggregates, duplicates, and distributes virtual traffic to security and performance monitoring tools, such as an intrusion prevention or detection system (IPS/IDS) or data loss prevention (DLP) system. CloudLens vPB is a key component of Ixia's CloudLens visibility platform that provides the framework to scale virtual taps and data filtering to meet the elastic demands cloud customers expect.

TUNNEL TERMINATION AND ORIGINATION, PACKET PROCESSING, AND LOAD BALANCING

Organizations monitoring virtual machine (VM) to VM traffic face many challenges, including the sheer volume of data and the transport of data to both virtual and physical monitoring tools. After capture by the virtual tap, network packets are typically sent to tools via GRE or VLAN tunneling protocols. This usually means that the tools must be capable of terminating tunnels, which is seldom the case. Identical traffic can come from multiple sources and may need to be deduplicated to avoid overload and inefficiency, and the same packets may need to be forwarded to several monitoring appliances.

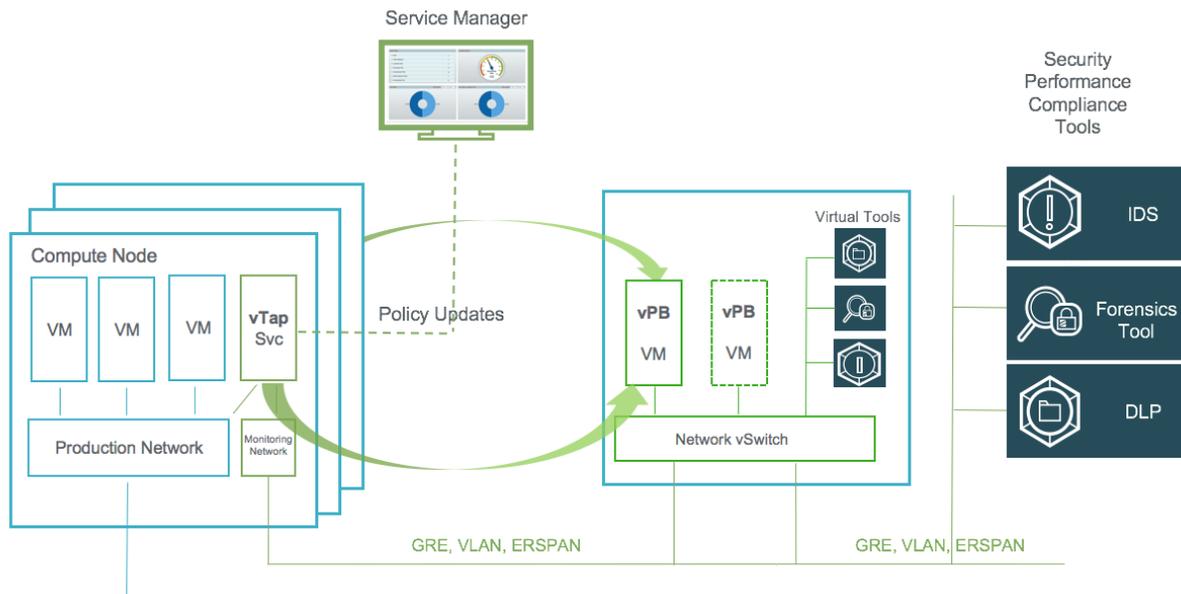
Ixia's CloudLens vPB is this intermediate component in the virtual visibility architecture that "sits" between virtual taps and performance and monitoring tools to

- Terminate the GRE and VLAN tunnels
- Aggregate network packets
- Filter and deduplicate traffic
- Duplicate and forward traffic

Such processing typically requires a physical network packet broker appliance. With CloudLens vPB, these features are available as a virtual appliance, offering flexibility and simple deployment in dynamic virtual environments.

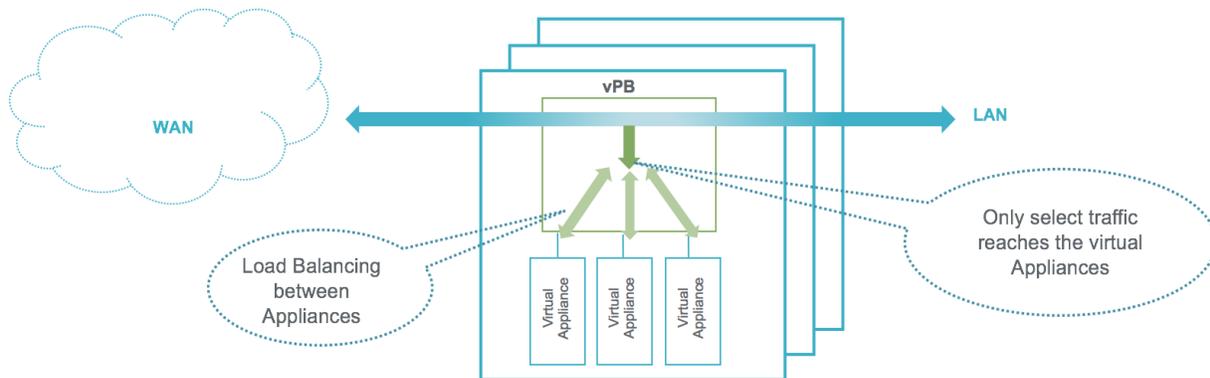
HIGHLIGHTS

- Key component of Ixia CloudLens visibility platform
- Integrates with Ixia virtual taps for complete network visibility
- GRE tunnels termination and origination
- Dynamic filtering of network packets
- Load balancing of select traffic to virtual appliances



Ixia CloudLens vTap and vPB deployment scenario

Ixia's vPB can also be deployed as an inline virtual appliance to load balance select traffic from the virtual network to virtual tools such as virtual WAN optimization appliances. The vPB forwards directly to the original path any workload not selected for optimization, thus bypassing the WAN optimization systems. It forwards the rest of the workload to optimization tools. After optimization, the traffic is sent back to the vPB, which forwards it on the original path.



Ixia CloudLens vPB inline device load-balancing deployment scenario

KEY FEATURES

- GRE tunnel termination
- GRE tunnel origination
- Header stripping (MPLS, FabricPath, VXLAN, PPPoE, GRE, ERSPAN, GTP)
- Deduplication
- L2-4 Filtering

SPECIFICATIONS

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Supported Hypervisors	VMware ESXi 5.5
CPU	<ul style="list-style-type: none"> • Haswell or later processor, eg.: E5-26xx • 1 dedicated CPU per IO port +1 CPU for management functions
Disk Storage	8GB – Thin provisioning
Memory	16GB
Network Connectivity	6 predefined interfaces (customizable after installation)

ORDERING INFORMATION

The CloudLens vPB is available in a Basic or an Advanced Pack.

CLOUDLENS VPB BASIC PACK

LIC-CL-1VPB-1BP

Virtual Packet Broker - Basic pack. 1 instance, Perpetual license (954-4062)

The Basic Pack includes:

- 2 ports
- 20 rules
- L2-3 Filtering (Eth type, VLAN, IP)

SUB-LIC-CL-1VPB-1BP

Virtual Packet Broker - Basic Pack. 1 instance, 1 year subscription

The Basic Pack includes:

- 2 ports
- 20 rules
- L2-3 Filtering (Eth type, VLAN, IP)

Unlimited software updates for one year from date of purchase

Access to Customer Web Portal and Technical Support during normal business hours

SUB-LIC-CL-1VPB-1BP-EXTN

Virtual Packet Broker - Basic pack. 1 instance, 1 year extension (909-5017)

VPB ADVANCED PACK

LIC-CL-1VPB-1AP

Virtual Packet Broker. Advanced pack, 1 instance, Perpetual license (954-4063)

The Advanced Pack includes:

- 12 ports
- Up to 9999 rules
- Header stripping
- L4 filtering (Ports, IP Protocol)
- Load balancing

SUB-LIC-CL-1VPB-1AP

Virtual Packet Broker. Advanced pack, 1 instance, 1 year subscription (954-4083)

The Advanced Pack includes:

- 12 ports
- Up to 9999 rules
- Header stripping
- L4 filtering (Ports, IP Protocol)
- Load balancing

Unlimited software updates for one year from date of purchase

Access to Customer Web Portal and Technical Support during normal business hours

SUB-LIC-CL-1VPB-1AP-EXTN

Virtual Packet Broker - Advanced pack. 1 instance, 1 year extension (909-5016)

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