

Cirries PacketPoint is the most comprehensive software-based raw packet collector and flow generator engine on the market.

- Up to 100Gbps on one server
- Includes Raw Packet Manager, Flow Generator, and Element Manager
- Software easily deployed on hardware, virtual machine or in the cloud
- User friendly web-based Element Manager

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PacketPoint is based on industry proven architecture, a solid foundation for flexible data intake with extreme scalability, high availability and a customizable rule-based engine to address user-specific requirements.

Cirries PacketPoint uses raw packet capture for network anomaly analysis. PacketPoint has three major logical components:

1. Raw Packet Manager
2. Flow Generator
3. Element Manager

## **RAW PACKET MANAGER**

The Raw Packet Manager collects all packets in the network, timestamp the packets converting them to PCAP file format, then writes them to a disk for access by time and other indexes.

## **FLOW GENERATOR**

The Flow Generator generates IPFIX or NetFlow records from the packet information.

## **ELEMENT MANAGER**

The Element Manager provides local functionality for installation or when a unit has been isolated as a trouble point in the network.

## **FEATURES**

### **Aggregates Raw Packet Traffic into Flow Records**

- Supports network-use analysis and reporting
- Detects network anomalies

### **Raw Packet Manager**

- Collects all packets with no loss
- Timestamps, TCP flags and converts to PCAP
- Allows on-the-fly indexing and fast traffic replay

### **Flow Generator**

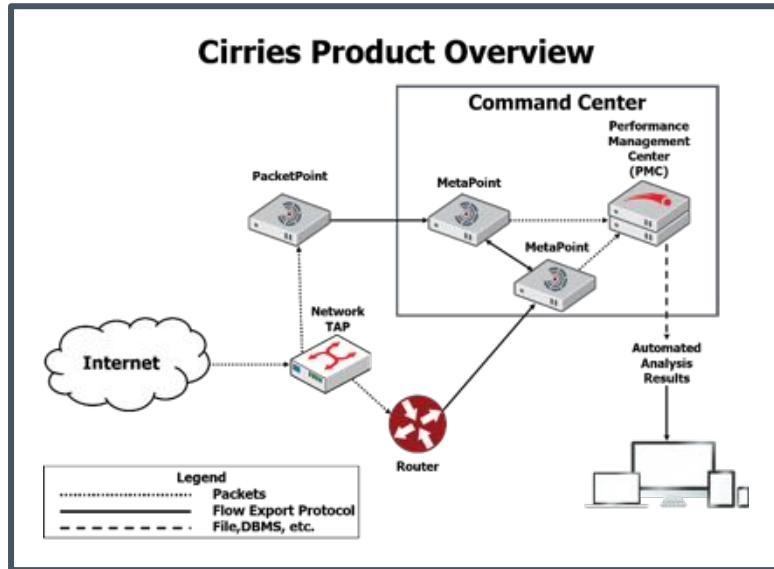
- Generates and forwards IPFIX or NetFlow records when the sessions are completed

### **Element Manager**

- Allows investigation of an individual units
- Supports status indicator
- Provides status of CPU, RAM, LAN card, disk utilization, packet or flow performance

### **Flexible Delivery**

- From 10Gbps to 100Gbps per server
- Available as software only or loaded on an appliance
- Download software and license
- Automated installation and testing



## DEPLOYMENT OPTIONS

The PacketPoint platform supports a choice of options for deployment across the network to help enable the comprehensive visibility required. PacketPoint operates on dedicated server hardware, virtual blade environments, and in containers. Below is a sample hardware configuration.

HARDWARE REFERENCE ARCHITECTURE	
<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>• 2U/4U rack mountable</li> <li>• Suggested platform: Dell, Super Micro or compatible</li> <li>• Based on OEM parts with an option of 1-3 years of support</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>• Minimum requirement dual Intel Xeon E5-2667 v4, 3.2GHz 8-core processor for 10G and above</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 32GB: (2-4)x1 GbE, 128GB: 2x10 GbE, 256GB: 4x10 GbE</li> </ul>
<b>Disks</b>	<ul style="list-style-type: none"> <li>• 1-RAID 10 controller for 2-4 x 1 GbE – 8 drives</li> <li>• 1-RAID 10 controller for 2x10 GbE – 20 drives</li> <li>• 2-RAID 10 controller for 2-4 x 10 GbE – 40 drives</li> </ul>
<b>I/O</b>	<ul style="list-style-type: none"> <li>• Supports 1GbE to 100GbE</li> </ul>
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Linux OS</li> </ul>

### About Cirries

Cirries Technologies software empowers network operators and companies in the network visibility, fault isolation, performance and network security industries. Cirries' products can digest data from multiple sources and reduce it to the right format for real-time notification, storage or application use to reveal real-time performance and security of any network. Cirries' software is highly scalable and easily deployed on COTS hardware, virtual machines or in the cloud.