packetpoint

Data Sheet

Cirries PacketPoint gives you the visibility you need to effectively manage and improve your network. It is a software-based **network data capture recorder** and **flow generator** to discover and analyze **network anomalies** whether caused by hardware degradation or security breach.

BENEFITS

- Resolves network anomalies fast, increase customer satisfaction, reduce churn
- Identifies equipment that over-consumes network resources
- Faster network analysis for improved network planning and efficiency

SOFTWARE SOLUTION

PacketPoint is the software solution that enables comprehensive, forensic investigation with the ability to drill through Layers 2 – 7 of the protocol stack. It provides lossless recording of the fastest network links. An optional deep packet inspection feature provides tools to customize packet inspection.

To enable network visualization, PacketPoint can generate metadata (as flow records) for aggregation. This software can be installed in virtual machine (VM) which can provide physical hardware monitoring as well as east-west traffic monitoring from within the virtual network. PacketPoint can be deployed using different storage strategies: direct storage on the appliance, in networked storage (SAN/NAS), or in virtual storage when running in the cloud.

Using raw packet capture for network anomaly analysis, PacketPoint consists of a **network data capture recorder** and a **flow generator.** PacketPoint generates IPFIX or NetFlow records from packets.

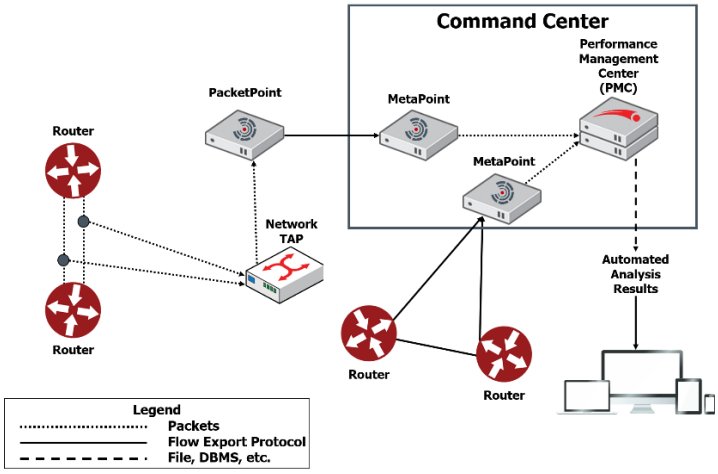
PACKETPOINT SUITE

Optimizing Network Capture Recording and Flow Generation solutions involves speed and utilization of the network links and the amount of storage required based on the amount of data and retention period.

Whether you are a service provider or in enterprise, Cirries has several deployment options to meet your requirements.

PACKETPOINT 2002 / 2004

These entry level recording appliances are ideal for edge/branch deployments. Each is capable of sustained write speeds up to 4 Gbps to secure RAID drives. Storage options up to 144 Terabytes.

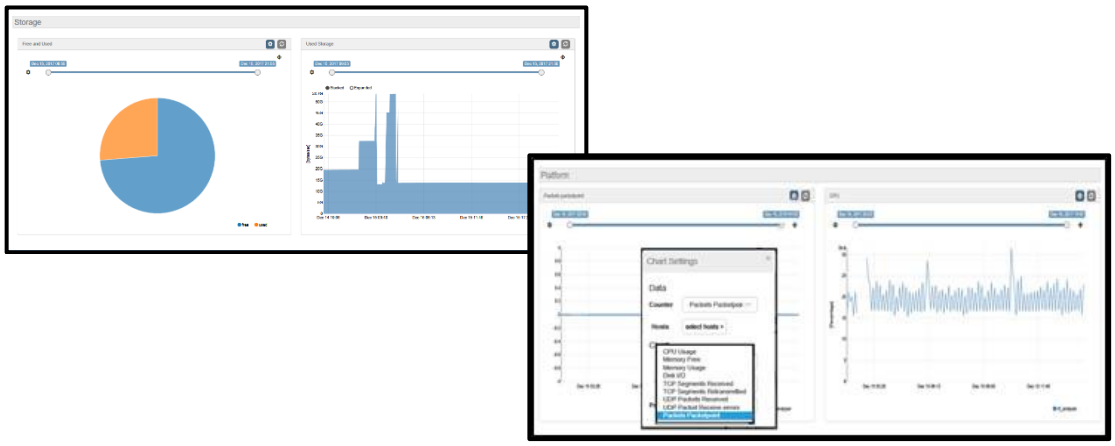


PACKETPOINT 2020 / 2040

These are Cirries most popular levels, providing up to 2 x 40 GbE with sustained write speeds at 60 Gbps. The storage offering on a COTS 4U server can expand up to 1 PB, ideal for deployment in data centers to investigate attacks or other transient problems and for data retention compliance. This solution can store more than 10 days of traffic from a moderately loaded 10 GbE network.

FEATURES

- Collects packets with no loss, timestamps, TCP flags and converts to PCAP
- Allows on the fly indexing and fast traffic replay
- From 10 Gbps to 100 Gbps per server
- Flow generation of NetFlow or IPFIX records
- Generates up to 18 million flows per second
- User friendly web-based dashboards
- Easily deployed on COTS hardware, virtual machine or cloud



RECOMMENDED MINIMUM HARDWARE REQUIREMENTS

Line rate	Capture Rate	Flow Generation Rate	CPU	Memory	Disk	NIC
2 x 1 Gbps	2 Gbps	2 Gbps	Intel Xeon E3 v3 Family, 4 core, 2.4 GHz or more	24 GB	4 x 10K SAS 6 Gbps RAID 10 controller	Standard NIC, 2 x 1 Gbps
4 x 1 Gbps	4 Gbps	4 Gbps	2x Intel Xeon E3 v3 Family, 4 core, 3.0 GHz or more	32 GB	10 x 10K SAS 6 Gbps RAID 10 controller	Standard NIC, 4 x 1 Gbps
2 x 10 Gbps	20 Gbps	N/A	2 x Intel Xeon E5 v3 or v4 Family, 8 core or more, 3.0GHz or more (E5 2667 v3 or E5-2687W v4)	128 GB	20 x 10K SAS 6 Gbps RAID 10 controller	Smart NIC, 2 x 10 Gbps (Intel 82599/X540/X710 - based or Silicom Capture series)
2 x 10 Gbps	20 Gbps	20 Gbps	2 x Intel Xeon E5 v4 Family, 10 core or more, 3.0GHz or more (E5-2687W v4)	192 GB	20 x 10K SAS 6 Gbps RAID 10 controller	Smart NIC, 2 x 10 Gbps (Intel 82599/X540/X710 - based or Silicom Capture series)
4 x 10 Gbps	30 Gbps	N/A	2 x Intel Xeon E5 v4 Family, 10 core or more, 3.0GHz or more (E5-2687W v4)	192 GB	24 x 10K SAS 6 Gbps RAID 10	Smart NIC, 4 x 10 Gbps (Intel 82599/X540/X710 - based or Silicom Capture series)
4 x 10 Gbps	30 Gbps	40 Gbps	2 x Intel Xeon E5 v4 Family, 10 core or more, 3.0GHz or more (E5-2687W v4)	256 GB	24 x 10K SAS 6 Gbps RAID 10 controller	Smart NIC, 4 x 10 Gbps (Intel 82599/X540/X710 - based or Silicom Capture series)
2 x 40 Gbps	60 Gbps	80 Gbps	2 x Intel Xeon E5 v4 Family, 10 core or more, 3.0GHz or more (E5-2687W v4)	256 GB	24 x 10K SAS 6 Gbps 2 RAID 10 controllers	Smart NIC, 2 x 40 Gbps (Intel XL710 - based or Silicom Capture series)

Industry's lowest cost of ownership backed by the Cirries Value Guarantee

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.