

Cirries MetaPoint is the most comprehensive metadata analyzer on the market:

- Up to two million flow records/second on one server
- High availability scalable architecture
- Configurable indexing
- Rule-based real-time alerts
- Support SNMP traps
- User friendly web-based dashboard
- Software easily deployed on hardware, virtual machine or cloud

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Cirries MetaPoint real-time network flow data capture capabilities enables collecting, normalizing, correlating and aggregating data from flow-enabled devices across geographically dispersed networks.

Users can view detailed time and application-based usage of a network. MetaPoint provides proactive problem detection, efficient troubleshooting, and rapid problem resolution. This flow information is used to efficiently locate network resources and to detect and resolve potential policy violations.

All data is indexed and stored in local or central storage with a nightly download feature allowing for long term trend analysis.

MetaPoint allows extremely granular and accurate traffic measurements as well as high-level aggregated traffic collection to optimize network planning, including peering, backbone upgrade planning, and routing policy planning. MetaPoint minimizes the total cost of network operations while maximizing network performance, capacity, and reliability.

## FEATURES

### **Collects all flow records from routers in real-time**

- NetFlow v5 and v9, sFlow v2-5, J-Flow v9, IPv4, IPv6, IPFIX and other standard protocols.

### **Connection**

- Collects data through standard Ethernet interfaces (1 GbE, 10 GbE, 40 GbE and 100 GbE)
- The collected data can be alarmed, filtered, parsed and aggregated

### **Element Manager**

- Monitoring, management and analysis of each unit
- Real-time alerts and notifications

### **Storage**

- All records are available for immediate search
- On-board storage and nightly download for longer trend analysis

### **Scalable**

- Grows from 25K to 2 Million records/sec on one server

### **Alerts**

- Create policies and thresholds to generate alerts based on flow data

## THREE MAJOR METAPOINT COMPONENTS

### FLOW TRAFFIC CAPTURE

The configurable flow traffic capture can receive flow records for NetFlow v5 and v9, sFlow v2-5, J-Flow v9, IPv4, IPv6, IPFIX and other standard protocols. The traffic capture module determines the various indexes needed for the flow collector and storage. It allows flow capture in any network regardless of routers. It has peg counters in its internal cache to determine bandwidth usage by protocol and by device.

### FLOW COLLECTOR AND STORAGE

Collects the flow data and the indexes, taking time snapshots used for NetFlow usage reporting and visualization. Historical data searches are much faster because of the distributed database storage. Flow records are aggregated using the in-memory database to reduce bandwidth requirements.

### FLOW ELEMENT MANAGER

The flow element manager provides individual MetaPoint unit installation or troubleshooting. It allows the network engineer to quickly determine the performance of each Cirries element giving the status of CPU, RAM, LAN card, disk utilization and flow performance along with the over-all status of the element. Historical analysis will help identify possible element hardware and software failures and degradation. The network engineer can now perform tests or repair at a local level. The configuration is easily setup through a simple drag and drop GUI.

## HARDWARE REFERENCE ARCHITECTURE

<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>• 1U/2U/4U rack mountable</li> <li>• Suggested platform, Dell, Super Micro, or compatible</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>• Minimum requirement dual Intel Xeon E5-2640 v4, 2.4GHz (10-core)</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 32GB – 128GB</li> </ul>
<b>Disks</b>	<ul style="list-style-type: none"> <li>• 1-2 RAID 10 controller(s) 8-24 drives depending on traffic</li> </ul>
<b>I/O</b>	<ul style="list-style-type: none"> <li>• Support minimum 2 10GbE ports for network interface</li> <li>• 2 1GbE ports for management interface</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.