

Performance Management Center

Cirries Performance Management Center (PMC) is the centralized control and monitoring platform for multiple deployments of Cirries products:

- Used to configure MetaPoint and PacketPoint units
- Monitors network activity, performance and security
- Easily deployed on server, virtual machine or cloud
- Web-based element manager

Cirries PMC is a real-time centralized control for Cirries products as well as a network monitoring platform. It is used to configure and control MetaPoint and PacketPoint units in the network. It also monitors network activity and performance. Cirries PMC is configured for high availability and redundancy with no single point of failure.

The PMC quickly determines the performance of each network element, giving the status of CPU, RAM, LAN card, disk utilization, and packet or flow performance. Historical analysis helps identify possible element hardware and software failure or degradation. The whole network can now be managed from one central location. A central interface provides control and monitoring of the Cirries elements in the network using SNMP traps.

With a web-based dashboard, Cirries PMC uses GUI for easy configuration of each Cirries element and complete visualization of overall operation. The network engineers can control the complete network from a central location, to install, test or deactivate a unit. The capability to download license keys allows for turnkey upgrades to existing or new elements.

Cirries PMC will automatically discover or update topology using screen or file inputs. Alerts will be generated if topology or element errors are discovered.

FEATURES

Real-Time Monitoring

- Network elements status – CPU, RAM, LAN card, disk utilization and packet or flow performance
- Discovery and resolution of network anomalies

Historical Analysis

- Identifies possible element failures or degradation
- Allows for on-the-fly comparison of today's network performance to the previous day

Centralized Operation

- Allows installation, control and monitoring of Cirries elements from a central location

Drag and Drop GUI

- Update elements remotely
- Download license keys

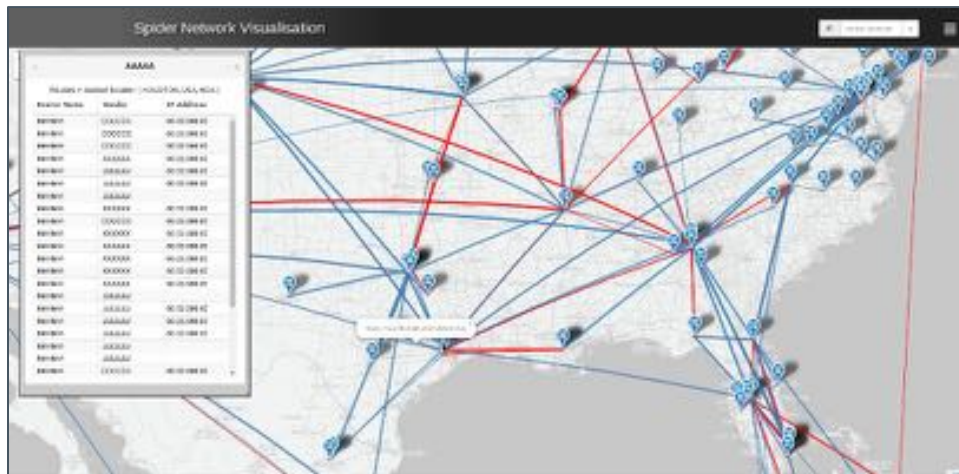
Auto-Discovery

- Automotically discover or update network topology and alerts if topology errors are discovered

Reports

- Global bandwidth usage map
- Usage by links, protocol or port
- Traffic by source or destination Top ten busiest routes
- Current versus prior traffic
- Latency, jitter and packet loss
- Application response time
- TCP/IP handshakes
- Customized reports with drag and drop GUI

REAL-TIME DASHBOARD



The PMC dashboard provides real-time monitoring of network usage, faults and network performance. It can be easily reconfigured to add new diagrams, workflows, and elements. A dropdown menu allows selection of data for each of diagram produced. The display is updated in real-time on a central monitor, tablet, phone or handset. The dashboard also displays latency jitter and packet loss.

HIGH AVAILABILITY AND REDUNDANCY

Multiple instances of Packetpoint and Metapoint can managed by a single Cirries PMC as well as central management of multiple clusters of Cirries elements.

The system has been carefully designed as an open architecture and implemented in C/C++ to insure the highest levels of real-time and near real-time performance with flexible storage options. The appliance version of the software only needs storage capacity increases via hot-plug-in drives.

SUMMARY

Cirries Performance Management Center in conjunction with PacketPoint and MetaPoint provides the following visualizations:

- **Network degradation and failures** with early detection of network abnormalities
- **Unusual usage patterns** through recognition of customer behavior and other activity
- **Misconfiguration** with identification of configuration weakness that affect performance
- **Policy abuse** by recognizing malicious activity related to insider breaches
- **Security incidents** with visibility into anomalous network activity
- **Data storage** through event logs that detail statistics, alarms and indexes

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.