cPacket Networks provides customers with the next-generation in performance network monitoring, called an Intelligent Monitoring Fabric (IMF). This purpose-built solution delivers better performance, deeper levels of insight, broader visibility, and increased operational efficiency, and reduced OpEx and CapEx, compared to traditional performance monitoring.

cPacket's powerful distributed intelligence enables proactive detection of imminent issues, before they negatively impact end-users. By identifying the root cause of hard-to-troubleshoot and intermittent issues, cPacket can reduce troubleshooting mean time-to-resolution (MTTR) by over 80 percent. In the process, cPacket simplifies your monitoring architecture by eliminating the needs to backhaul, filter and aggregate traffic, yet also provides up to 32x broader coverage.

**cPacket delivers:**

- Real-time, Line-rate Performance Monitoring at up to 40Gbps
- Complete Packet Inspection Across L2-L7
- 1000x Higher Resolution Millisecond Analytics
- Open Architecture Integrates with Security and Other Tools
- Up to 32x Higher Density per Node

**Solution Elements**

The cPacket Intelligent Monitoring Fabric (IMF) is built around three core components: cVu Monitoring Nodes, cStor Intelligent Forensic Storage, and cClear Visualization Dashboard. Together, they enable instant access to relevant data needed for predictive analysis, real-time troubleshooting, intelligent network optimization, and accurate capacity planning.

The distributed architecture of the IMF is enabled by the advanced capabilities of cPacket's Algorithmic Fabric Processor (AFP). This patented, purpose-built ASIC provides the horsepower to perform inspection and analysis directly at the wire, at the distributed port, providing greater resolution and performance than any other network monitoring solution on the market.

cPacket is relied on by large network operators around the globe, and across a wide range of market spaces including Financial Services and Market Trading, Service Providers, Enterprise, Data Center, Online Retail, Medical, Government and Education.
Next Generation Performance Monitoring for Market Trading Environments

Visualization Layer
The increasingly large amounts of data running across your network can make it difficult to understand what, where, and when problems are happening. cClear maps and visualization tools allow you to proactively monitor and better understand network behavior, while providing immediate access to the packet view, on-demand as needed.

Performance Analytics and Forensic Layers
cVu Monitoring Appliances are distributed across your network to provide broad coverage of the entire environment by inspecting packet traffic in real time, bringing Operational Intelligence directly to wire, and eliminating the risk of bottlenecks and data loss.

cSTOR Forensic Storage Arrays capture and archive packet traffic, allowing you to retrieve specific incidents while troubleshooting, making intermittent problems easier to understand and solve.

Production Layer
This is the lifeblood of your organization. Your productivity depends on it. Your revenue depends on it. Your compliance depends on it. If it goes down or isn’t performing properly, you have a problem.

Figure 2: Intelligent Monitoring Fabric Diagram