EQUILIBRIUM NETWORKS
SECURITY THROUGH SCIENCE

See what other security tools are missing

Equilibrium's software is designed to give you confidence in your network security posture. Originally developed for the US Department of Defense and intelligence community, our technology provides a complete, interactive view of the traffic on your network, allowing you to identify and mitigate threats and diagnose network behavior quickly and cost-effectively.

Technology

Equilibrium's patent-pending product suite is the only network monitoring solution that allows you to view traffic in real time and replay modes and with automatic alert capabilities. Our analysis algorithms scale beyond 10 Gbps per processor core, while our data consolidation and visualization techniques can operate at any bandwidth.

Our technology emerged from nearly a decade of effort combining research in the physics and mathematics of complex systems with operational experience in the most demanding network security environments. This technology provides unmatched visibility into your network beyond what dashboards or reports can offer, and results in less time spent looking at log files. Linking this visibility to interactive alert configurations results in fewer false negatives. Advanced traffic profiling algorithms result in fewer false positives. Combining all this results in security through science.

Architecture

Equilibrium's software suite is built on the Java™ platform and OpenGL® API, and leverages a lightwight libpcap-based sensor to enable scalability on commodity hardware. Parallel sensor instances and preprocessors send normalized output to analyzers, and fused results are then sent to display and integration interfaces.

By separating data acquisition and storage issues from analytical and visualization engines, our architecture provides a flexible, long-term solution to problems requiring the analysis of massive sets of transactions.
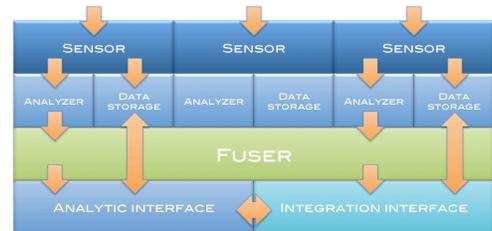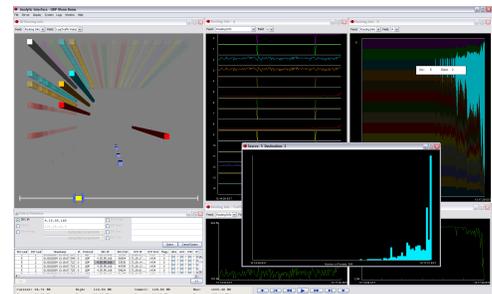

Open source

Equilibrium gives you the ability to see what's happening on your network–and to see how your security platform actually works.

Solutions

- Security analysts can identify and mitigate attacks more quickly and cost-effectively
- Engineers can diagnose otherwise hidden problems and improve network services and operations
- IT managers can get fast, actionable information about specific events and overall trends in network traffic

Free/open source features

- Rich traffic analysis and profiling framework for IP traffic at layers 3 and 4
- Advanced interactive 2D visualization to take in all network traffic at a glance and drill down to individual packets
- Replay interface for seamless transition between real-time monitoring and review of network behavior
- Analysis and visualization framework designed to scale to arbitrary link speeds

Enterprise features

- Concise, fully interactive 3D view of traffic
- Matrix alert selector for intuitive network behavior analysis alerts
- Nonlinear replay with range sliders
- Attractive licensing and source code options

- Experimental traffic profiling algorithms and MATLAB emulation tools for rapid prototyping and integration available separately

Learn more at www.eqnets.com