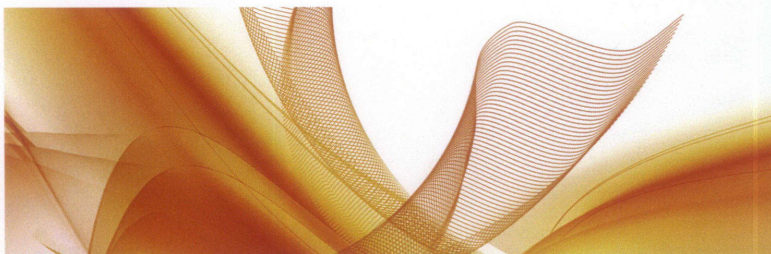


Layer 7 Application Decoding Engine For Next-Generation Firewalls

Gain Full Application Visibility and Control in a Matter of Days

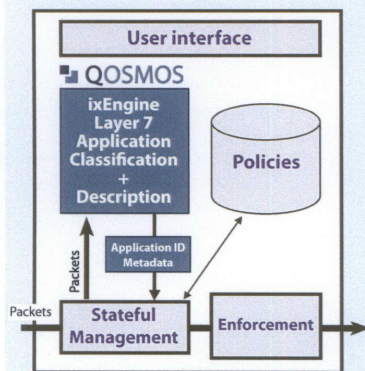


Next-generation firewalls must have port-independent application control and visibility based on Layer 7 / Deep Packet Inspection (DPI) and heuristic analysis.

Developing this capability internally requires considerable R&D resources because there are thousands of protocols and applications to decode and reverse engineer. Many applications are not standardized (e.g. webmails), use tunnels or are encrypted, and this increases development complexity.

In addition to the initial development effort, R&D teams must continuously invest in updating their software to include the latest protocol versions and a growing number of new applications.

Qosmos delivers port-independent Application Classification as a ready-to-use, building-block technology. Firewall vendors can embed the ixEngine into their next-generation firewall solutions to support application visibility and control.



Benefits of ixEngine for next-generation firewall vendors:

- Shorter product development time, accelerated time to market
- Allows developers to focus on their core security solution expertise
- Constantly updated Application Decoding engine

Full application visibility

- Application identification based on protocol grammar analysis, not ports
- Decoding of traffic inside tunneling protocols
- Ability to track actions within an application (such as login, browse, chat, file transfer, etc.)
- Real-time extraction of communications metadata such as message senders and receiver, and names of files shared or attached in an application

Designed with "Triple R" in mind

- Resilience, by functioning even under adverse external conditions (e.g. maliciously forged packets or flows)
- Robustness, by performing well during difficult situations (e.g. SYN flood attacks, incomplete traffic)
- Reliability, by adequately decoding traffic even under unusual circumstances (e.g. tunnels, obfuscated traffic, non-standard protocol behavior)

Support for ALL leading processor architectures

- Optimized for all leading processors on the market: Intel x86, NetLogic XLR, Cavium Octeon and Tiler TILEPro
- Application classification at traffic speeds up to 10 Gbps on a single processor

Product: ixEngine Application Decoding Engine

Applications: Layer 7 Application control and visibility

Users: Developers working for next-generation firewall vendors

Key Features: Ready-to-use and continuously updated software libraries enabling full traffic decoding at core network speeds, support for all leading processors

For More Info:

www.qosmos.com

"There is a trend towards using niche specialists in the DPI area. Outsourcing highly specialized technical capabilities allows Equipment Manufacturers to focus on overall solutions development."

Graham Finnie
Chief Analyst, Heavy Reading

ixEngine is available on



QOSMOS
Your Network is Information