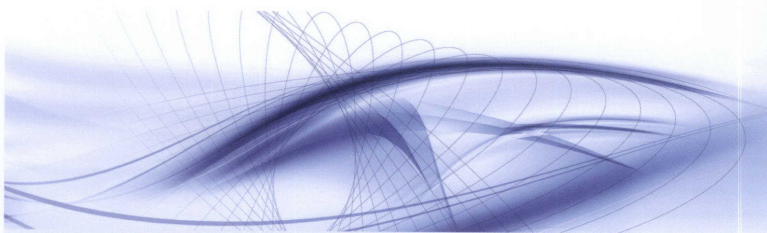


Qosmos ixMachine

DPI & Metadata Extraction Probe

Providing Network Intelligence
for Value-Added Applications



Qosmos ixMachine probes are designed to **classify and collect information embedded in or generated by traffic flows**, and to deliver this actionable data to third party systems.

Flow decoding is carried out in real time, at speeds up to 20 Gbps per box. Stacking several ixMachines enables monitoring of hundreds of Gbps.

Qosmos ixMachine sources traffic metadata to a wide variety of applications such as real-time application-based billing, cyber security, traffic optimization, policy management and many more.



Visibility into traffic

- Classification of network flows using a combination of stateful inspection/Deep Packet Inspection (DPI) and statistical analysis
- Delivery of detailed application metadata and content
- Visibility at protocol, application, service and user levels
- Instant access to a base of hundreds of protocol plugins including complex streaming, webmails and P2P applications
- Up to 70 metadata available for each protocol, for a total of more than 4,500 metadata available for smarter, more application-aware solutions
- Continuous protocol watch and updates

Accuracy

- Stateful inspection of protocol grammar for 100% reliability (no use of TCP or UDP ports)
- Correlation of flows, sessions and visibility at user level enables delivery of multi-dimensional session records (CDR, IPDR, xDR)
- Advanced mechanisms to ensure high quality of data delivered

Performance and scalability

- Real-time analysis of flows up to multi-gigabit rates with no packet loss
- SMP optimization to get 20 Gbps per box on standard x86 servers
- Range of probes from 1U to 4U
- Flexible probe provisioning enables users to tune the ratio between maximum packet rate and the details of information extracted

Actionable data and easy integration

- Passive probe (port mirroring or tap)
- Streaming of data in standard format (e.g. over ftp into a CSV file)
- Multiple variants of local and remote communications are supported
- Advanced query language to select only relevant metadata and packets

Product: ixMachine DPI & metadata extraction probe

Applications: Numerous, across Telecoms, Enterprise and Government sectors

Users: Solution Vendors, ISVs and Systems Integrators

Key Features: Real-time traffic classification and metadata extraction up to 20 Gbps

"Qosmos ixMachine is a probe that classifies traffic and extracts the information contained in IP flows, to feed value-added applications with real-time communication metadata. This provides context to the information, unlocking its purpose, use and value."