

Packet capture and analysis

Introducing Roke Manor Research's packet capture solutions.

Public and private networks are open to a broad spectrum of abuse, from casual hacking to serious criminal acts. Roke's data capture and analysis technology can defend your network and meet both regulatory and security requirements.





- Does your network need to meet national and international auditing and data interception requirements?
- Do you know what traffic transits your network? Applications? Volume? Users?
- Can you prove which users gain access through your network?
- Are you concerned about fraudulent use of your systems?

If your answer to any of these questions is yes, then Roke can provide the wire-speed packet capture and analysis technology you need. Roke's scalable packet capture technology provides cost effective solutions ranging from small commercial networks to national and international transport networks.

Roke's wire-speed packet capture runs on scalable platforms, operating from 100s of Megabits to 10s of Gigabits. Initial capture may be targeted by user, address or application; with complex deep packet processing of application data.

The highly modular, scalable probe software may be run on low cost server platforms or high performance telco grade systems, as required. Data capture configuration is via an easy to use Web based front end. Captured data may be forwarded directly to a post processing system or via a mediation device for Data Intercept (DI) applications.

The probe, management system and mediation device are all scalable, modular building blocks. This allows deployment of cost optimised systems, which scale economically as the network grows.

Example applications:

- Lawful Intercept (CALEA, RIPA etc)
- Traffic monitoring
- Fraud detection/prevention
- Forensic audit
- Intrusion detection.

Key benefits

- Meet LI obligations e.g. CALEA, RIPA etc.
- Detect and prevent unauthorised network access
- Simple deployment and operation
- Scalability minimises lifetime cost of ownership
- No degradation of existing service
- Simple management interface minimises cost e.g. administration by clerical grade staff
- Based on commercial hardware components – No custom ASICs, ensures optimum cost and continuity of supply
- Simple integration with 3rd party management/mediation systems.



Key features

- Wire-speed filtering
- 100Mbit to 10Gbit rates
- L2-7 targeting/filtering e.g. IP address, RADIUS user name, IP port, E-mail address, text fields etc.
- Undetectable passive interception
- Scalable modular system
- Access control of intercepted data and targeting information
- Failsafe stop timer ensures no unauthorised over collection
- All collected data stored in RAM
- Warrant based targeting in Lawful Intercept scenarios
- Telco grade platform
- Laptop terminal for lightweight applications
- Tactical system in a flight case.

Meet your network monitoring and analysis requirements today

Contact Roke to provide you with the latest technology and consultancy in wire-speed packet capture and analysis.

We have been operating in the network infrastructure and security business for over 20 years, putting our defence standard technology and experience to commercial use, providing our customers with secure technology for all their communication needs.

For further information on our expertise in these areas please contact us.

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