TELESOFT

DATASHEET

CERNE

100GBPS IDS & EVENT DRIVEN RECORD

100Gbps IDS engine and alert driven packet recorder minimises storage and retrieval latency to rapidly provide context before and after an event

CERNE combines a high rate 100Gbps IDS engine with automated flow processing of relevant network traffic for real-time and historical threat investigation.

Optional proprietary tags within the rules enable the user to configure CERNE to process flows associated with an IDS alert. Flows can be brokered in real time to follow-on processing systems, or buffered and recorded, providing 2.5 seconds back-in-time visibility, giving an analyst rapid access to critical packets prior to an event.

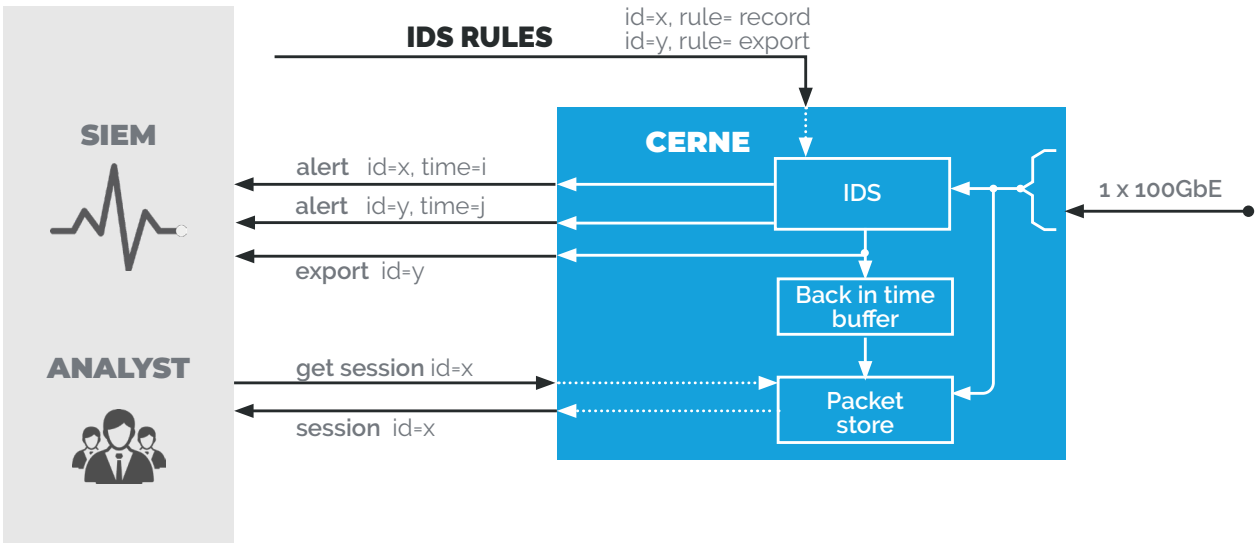
Flow management can be configured for a single IP address, port, protocol or combination providing flexible visibility and context around a potential breach. Automated collection of only relevant traffic by session minimises unnecessary storage, reduces costs and ensures rapid near real-time retrieval.

KEY PERFORMANCE FIGURES*
Line Rate processing
200 million concurrent flows
5 million L7 user-defined rules
Both 12Gbps local capture with 2.5s back-in-time buffer and 20Gbps low latency local network forwarding

*Performance will be dependent on traffic profile and ruleset. See document DX-TTL-GEN-MK-SP-35807 for benchmark figures.

CERNE integrates with existing SIEM architecture for automated threat intelligence configuration, session delivery and storage management.

100GBPS IDS & EVENT DRIVEN RECORD



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KEY FEATURES	
Built on hardware accelerated OISF Suricata	Use standard Suricata rule format with optional extensions. Source rules from existing providers and use existing rule management tools
Alert based flow/session capture	Only export or record relevant data to provide context around an alert. Recorded packets are organised in flows and indexed for rapid retrieval 5
Live rule swap	Update rules whilst running live traffic without interruption
2.5 second back in time buffer	Capture packets from before and after the event for full context
Controlled via GUI or RestAPI	Integrates with and can be controlled by your SIEM
Full Installation and Commissioning, backed by Engineering experts	Ensure your IDS is tuned specifically for your application and traffic profile, to obtain the best performance results
Tiered support, including Gold and Bespoke options	Spares management, advanced replacements and 24:7 support ensures your IDS down time is minimal

TECHNICAL SPECIFICATIONS	
Physical	1U 19-inch rackmount
Interfaces	1 x 100Gb Ethernet QSFP28
Interface Specification	1 x 100GBASE-LR4, 1 x 100GBASE-SR4 OR 1 x DAC (direct-attach copper)
IDS Engine	Modified Suricata v6.0
Storage Capacity	2 x 4TB NVMe SSD
Operating Temperature	10°C to 40°C (storage: -20°C to 70°C)
Operating Humidity	8% to 90%

ORDER OPTIONS	
Part Number	**Description**
500003109	CERNE 100Gbps IDS + Event Driven Record
500003082-01	EDGE Technologies 100GBASE QSPF28-LR4 10KM TX/RX Transceiver