TDAC

HIGH PERFORMANCE SCALABLE DATA-LAKE

High-speed query and intelligent data management

INGEST
Probes and sensors deployed within your digital estate capture every communication. Metadata enrichment provides complete visibility into network traffic, addressing infrastructure gaps and reducing sophisticated cyber breach risks. Data is enriched in real-time with current threat intelligence and organized into entities based on your network configuration.

INVESTIGATE
TDAC arms your SOC & NOC teams with Threat Hunting, Threat Detection, Incident Response, and Intelligent Querying to help keep one step ahead of malicious actors by proactively monitoring your networks.

RETAIN
The TDAC platform has configurable retention periods between frequently queried and recently ingested data, to archived data, allowing storage periods from days to years.

The platform scales horizontally to handle tens to hundreds of petabytes of data, ensuring comprehensive threat detection across even the largest enterprise environments.

SECURE
The data in motion is encrypted and the data at rest can be encrypted to ensure compliance with confidentiality, integrity and data sovereignty requirements.

TDAC SCALABLE DATA-LAKE

Monitoring Probes
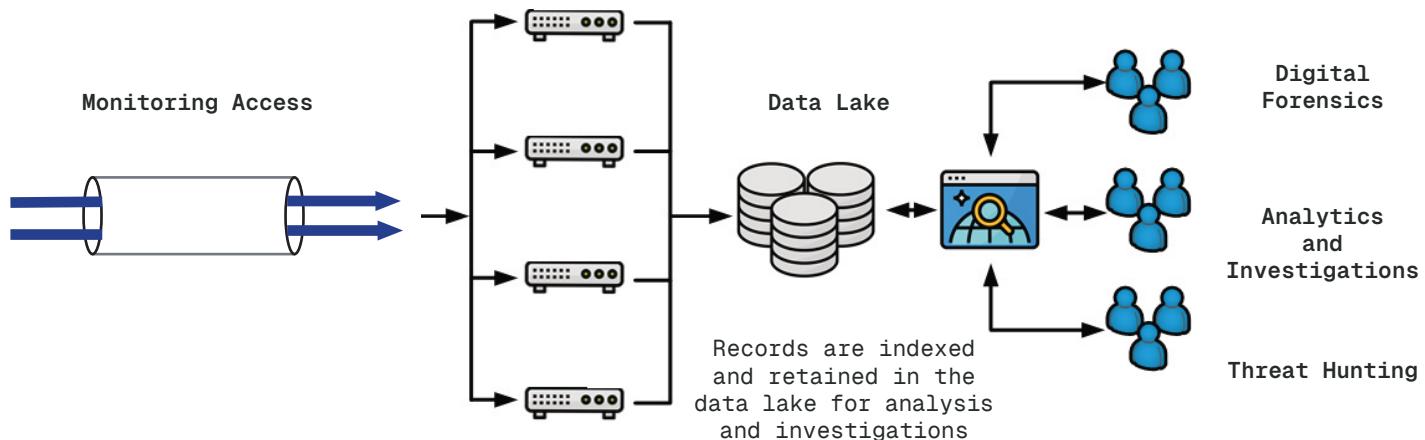
Monitoring Access

Data Lake

Digital Forensics

Analytics and Investigations

Threat Hunting

Records are indexed and retained in the data lake for analysis and investigations

TDAC SCALABLE DATA-LAKE

Component	TDAC Compute Node (500003168)	TDAC NVMe Node (500003169)	TDAC HDD Node (500003170)
Processor	2x Intel Xeon 6700 Series	2x Intel Xeon 6700 Series	2x Intel Xeon 4th Generation Scalable
Memory	512 GiB DDR5	512 GiB DDR5	512 GiB DDR5
Boot Storage	2x NVMe M.2 960GiB	2x NVMe M.2 960GiB	2x NVMe M.2 960GiB
Data Storage	—	12x NVMe U.2 8TB	12x 16TB SAS HDD
Storage Capacity	—	92.2 TiB Raw / 76.8 TiB RAID 5	184.8 TiB Raw / 154.1 TiB RAID 5
Network	2x 10GbE RJ45 2x 25GbE SFP28	2x 10GbE RJ45 2x 25GbE SFP28	2x 10GbE RJ45 2x 10GbE SFP+
Power	400W	400W	300W Idle / 500W Active

Data Lake   Deletion

Data Generation
Metadata are exported to the Data Lake

TDAC NVMe NODE
Hot/warm storage

TDAC HDD NODE
Cold storage

Data Deleted
Aged data deleted specified time

High Speed ——————— Low Speed
High Power ——————— Low Power
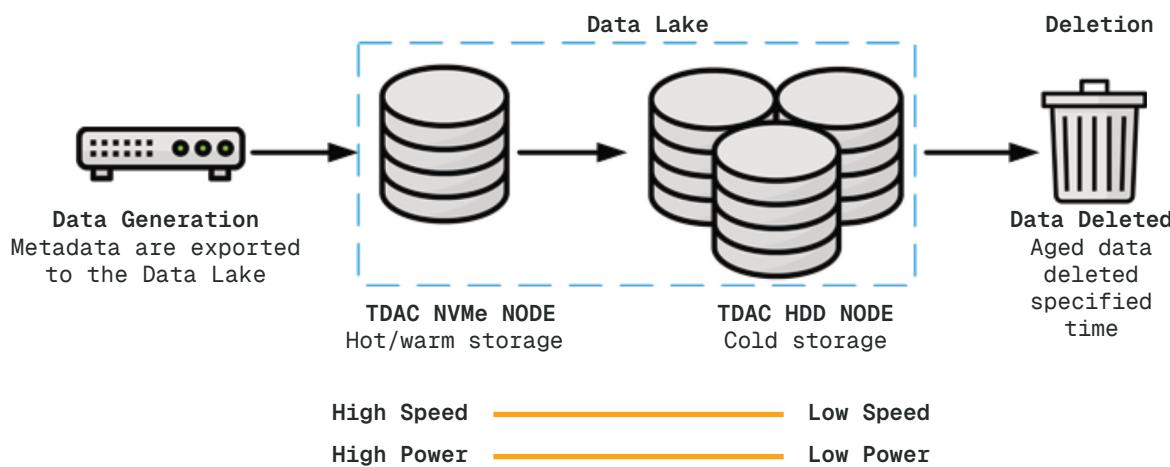
Category	Specification	Details
Ingest Sources	Netflow	v1, v5, v6, v7, v8, v9 (RFC 3954)
	IPFIX	RFC 5101, RFC 5103, RFC 7011
	SFlow	v5 (RFC 3176)
	Syslog	CEF, JSON, proprietary formats
Query Support	Elastic DSL	Via REST API
	Elastic SQL	Via REST API
	Kibana KQL	Via Kibana / Explore interface
Integrations	Business Intelligence	E.g., Power BI
	Visualization	Grafana