

Securing Financial Services Data in Transit

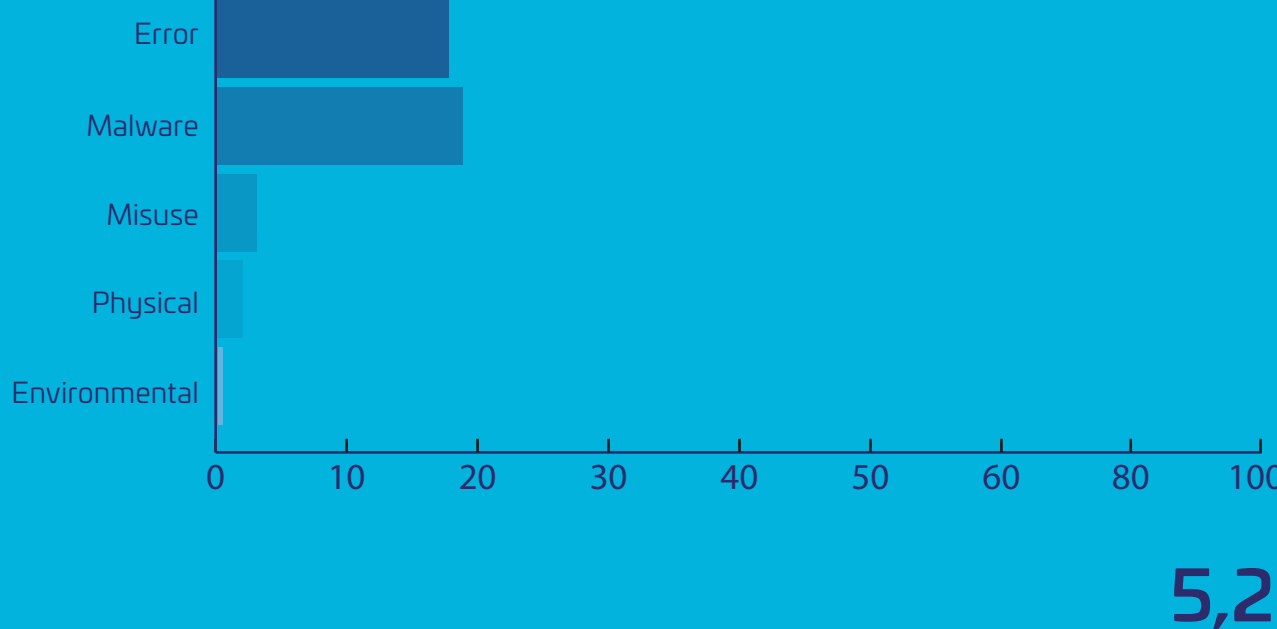
Financial data is one of the high priority targets for cyber criminals, as it represents an opportunity for significant financial gain. The critical, and mobile, nature of transactional data means it is at risk as it traverses the world's private and public networks. Thales has been delivering encryption solutions for the financial sector for more than a decade. During this time, we have secured WAN and data center infrastructures for a wide variety of banks, trading houses and asset management firms.



The threat landscape

According to the Data Breach Investigations Report, which analyzes 5,258 breaches from around the world, external actors are the leading source for malicious actions.

Breach incidents by source in 2021



Source: 2021 Verizon Data Breach Investigations Report

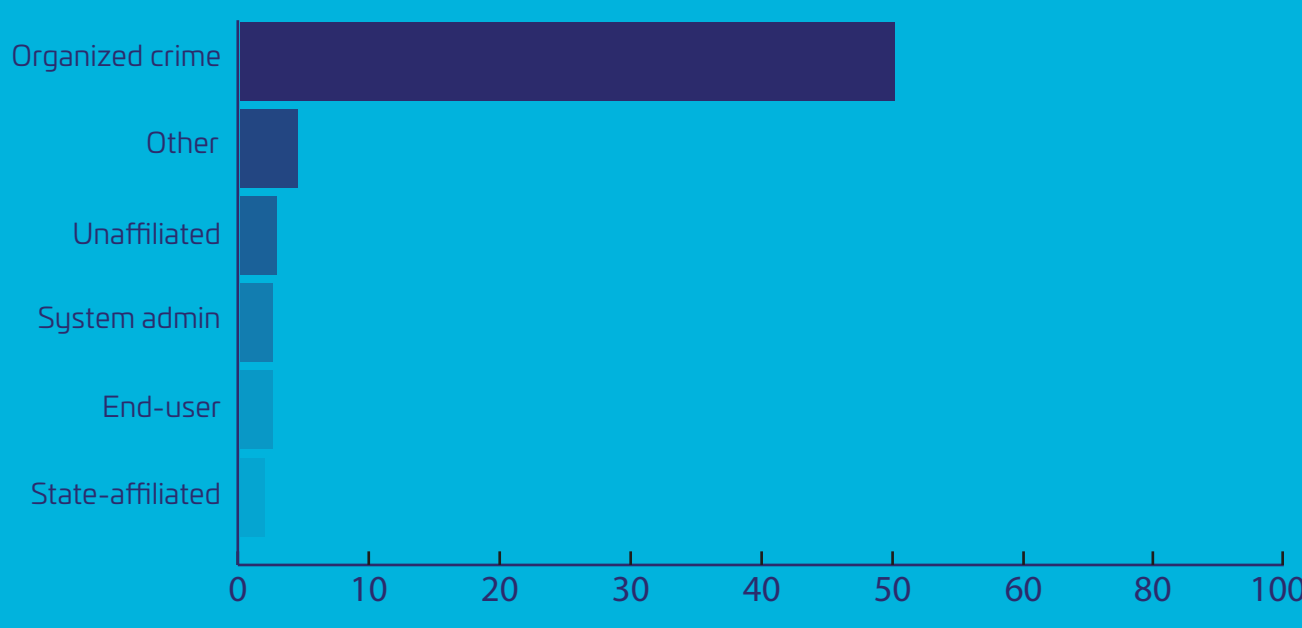
5,258
TOTAL BREACHES IDENTIFIED AND ANALYZED



Identity theft and financial access

continue to be the most common type of attack.

Breach incidents by type in 2019



1,765
TOTAL BREACHES



The average cost of a data breach in 2020 was **\$4.24 million**. For financial services, the average cost is much higher at **\$5.72 million**.

Source: 2021 Ponemon Cost of a Data Breach

High profile breaches



European Central Bank
ECB website hack results in the loss of more than **4 million** email addresses and contact records



Heartland Payment Systems
The largest credit card scam in history? Heartland eventually paid over **\$140 million** in fines and settlements

Protecting financial data

The sensitive nature of financial services data places a specific set of demands upon any encryption solution. Key considerations for financial data protection include:



High-Speed (10-100 Gbps) bandwidth



Near-Zero Latency



Zero Network Management Overhead



Real-Time / Transactional Data



Certified Secure Solution

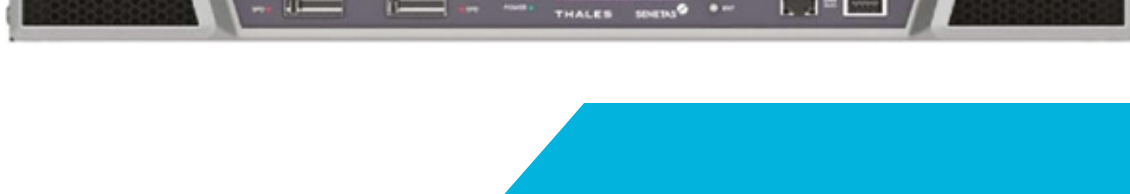


Guaranteed Availability

Thales Network Encryptors

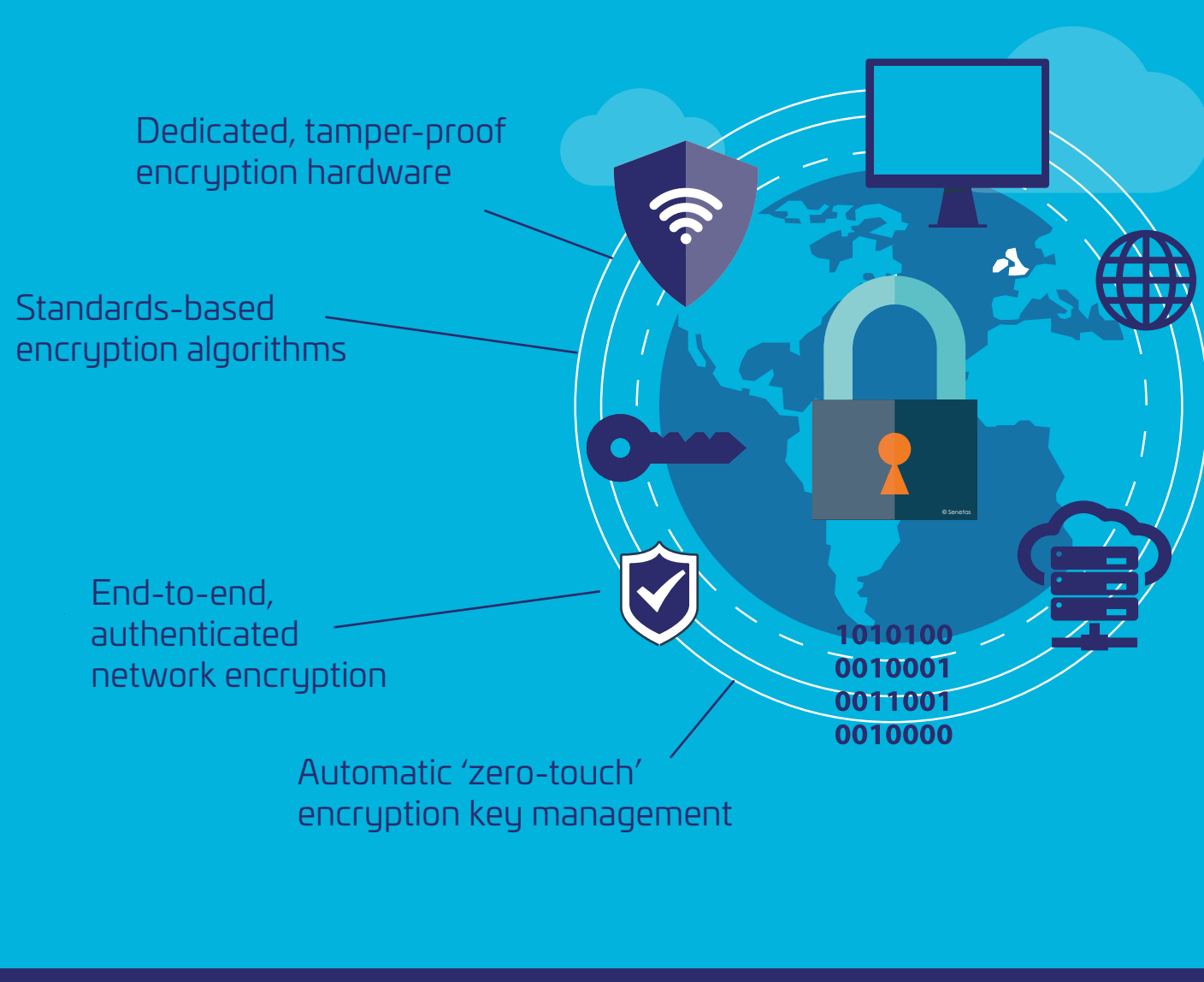
The Thales CN range of certified high-assurance encryptors provide financial services organizations with simple to deploy, low maintenance solutions that provide high-assurance data protection, without compromising network or application performance.

The CN9100 is the world's first commercially available, certified high-assurance, 100 Gbps network data encryptor that supports all Layer 2 network topologies. It also boasts ultra-low latency of just 1.5 microseconds*.



What Is High-Assurance?

Not all encryption solutions are the same. Today's high-speed data networks require a robust encryption solution that provides certified, high-assurance network security and maximum network and application performance, without compromise.



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