CryptoNext Security Launches CryptoNext COMPASS Discovery, The First Truly Open Cryptographic Assets Discovery and Analysis Solution.

- Cryptography Assets discovery is crucial to achieving full visibility into cryptographic assets and risk across an organization's IT and OT systems as well as its applications.

- Cryptographic risk, long considered a major threat, is becoming with the advent of quantum computing. The discovery of cryptographic assets is the foundational step for any successful Post-Quantum Cryptography (PQC) migration plan.

- CryptoNext COMPASS Discovery provides a complete inventory of crypto assets, enabling continuous monitoring that is in alignment with enterprise remediation plans. It offers top management clear visibility into the organization's actual cryptographic risk and serves as an essential crypto-governance tool for cybersecurity managers.

Paris, France - April 1, 2025 – CryptoNext Security, a leading provider of post-quantum crypto-agile solutions, is proud to announce the launch of CryptoNext COMPASS crypto-discovery solutions, featuring our first innovative products: **CryptoNext COMPASS Analytics** and **CryptoNext COMPASS Network Probe**.

These products are designed to empower organizations with enhanced cryptographic asset discovery and real-time analysis. They deliver immediate benefits to top management with clear, synthesized reports, so that they are able to ensure a seamless transition to quantum-safe security by monitoring the progress of the PQC migration.

Addressing the Cryptographic Blind Spot

Since cryptography is a widely used yet poorly documented resource in information systems, the discovery phase is a critical step in any post-quantum migration. This identification process helps set clear priorities, ensures effective monitoring of the transition lifecycle, and provides the visibility needed to drive a crypto-agile strategy.

With CryptoNext COMPASS Discovery, CryptoNext Security provides a robust, data-driven approach to cryptographic discovery and monitoring, enabling businesses to adopt a crypto-agile strategy while simplifying compliance efforts.

CryptoNext COMPASS Analytics

CryptoNext COMPASS Analytics is the brain behind the discovery and analysis processes. It enables identification, analysis, and monitoring of cryptographic assets across the infrastructure. The open architecture of COMPASS Analytics allows seamless in-house or third-party tool integration, fostering a comprehensive ecosystem that enhances visibility into an organization's cryptographic landscape.

Key features include:

- Decision-support tools to facilitate compliance and risk assessment
- A personalized report generation module for fine-grained PQC migration follow-up
- An intuitive graphical interface for seamless data visualization
- A Centralized Cryptographic Bill of Materials (CBOM) Database aggregating and correlating cryptographic data from multiple heterogeneous sources
- Standard APIs for easy upstream (sensors: CLM, scanners, EDRs, etc.) and downstream (platforms: CMDB, CTEM, etc.) integrations

CryptoNext COMPASS Network Probe

The CryptoNext COMPASS Network Probe uncovers all the cryptographic assets within the network. It is a passive network sensor that monitors cryptographic activity on-the-fly within an organization's systems, without any disruption to traffic. Leveraging advanced packet inspection technology, it enables real-time extraction of cryptographic information at high data rates, ensuring comprehensive oversight of encryption protocols in use.

Key capabilities include:

- On-the-fly, real-time cryptographic monitoring
- High-speed cryptographic data extraction
- Broad and expanding protocol support for extensive network visibility
- Seamless integration into the CryptoNext COMPASS Analytics

A Future-Ready Approach to Cryptographic Security

"Knowing where cryptography is deployed remains a major challenge for organizations. By leveraging CryptoNext COMPASS Analytics and CryptoNext COMPASS Network Probe, organizations can gain the critical insights needed to prioritize PQC migration efforts, strengthen cyber resilience, and maintain compliance with evolving security standards," stated René Martin, Chief Product Officer at CryptoNext Security.

Availability

CryptoNext COMPASS Analytics and CryptoNext COMPASS Network Probe will be available starting July 1, 2025 for enterprise deployment.

About CryptoNext Security

CryptoNext Security is a software company specializing in post-quantum cryptography (PQC) and crypto-agility management solutions. Founded in 2019, the company builds on more than 20 years of academic research in the field of post-quantum cryptography.

CryptoNext Security empowers organizations to seamlessly transition their products, systems, and IT/OT infrastructures from cryptography discovery toward crypto-agile cybersecurity, ensuring long-term resilience against quantum threats. Its solutions also help anticipate and mitigate cryptographic risks over time.

CryptoNext Security supports organizations in their transition to quantum-resilient cybersecurity through its global offering from Evaluation to measure the impact of PQC on applications and infrastructures while gaining expertise, Inventory of cryptographic assets to set migration priorities and implement agile crypto management, as well as Embedded solutions to integrate PQC crypto-agility within applications and systems.

CryptoNext Security serves major customers and systems vendors in finance, defense, critical industries, and institutional sectors, where long-term security is crucial.

For more information about CryptoNext Security and its leading cryptographic solutions, please visit https://www.cryptonext-security.com.

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