

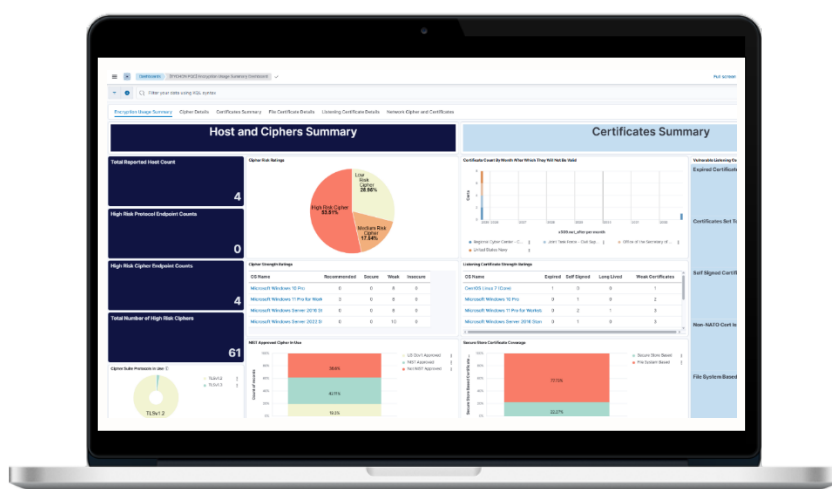
TYCHON

Quantum Readiness Use Case

The rise of quantum computing brings both promise and peril – while quantum computers hold the potential to revolutionize industries, they also pose a significant threat to our digital security infrastructure. [National Security Memorandum 10](#) (NSM-10) requires that agencies "prepare now to implement Post-Quantum Cryptography (PQC)."

Specifically designed and developed to provide comprehensive enterprise endpoint visibility and automated continuous endpoint monitoring, TYCHON Quantum Readiness assists organizations with meeting this mandate by delivering:

1. Comprehensive inventory of cryptographic systems
2. Prioritized inventory of vulnerable information systems



Capabilities



Search

Rapidly gather and inventory cryptography source data across applications, files, and connections.



Visualize

Understand, analyze, and score your risk posture – monitor, trace, and alert on cryptographic inventory changes.



Act

Customize, manage, and enforce policies to address your worst and most vulnerable problems first.



Monitor

Continuously monitor endpoints to create cryptographic statuses for daily, monthly, and yearly reports.

Key Features



TYCHON SENSOR

Lightweight agent built on a micro service engine framework to optimize integrations and provide superior data quality to fulfill use cases.



TYCHON JOURNAL

Fully indexed record from every endpoint. Monitor and record endpoint and server activity for near-instant identification of threats.



MESH MODEL

Instantly query up to a million endpoints. Unique architecture components built for scalability and fast response.



DYNAMIC DASHBOARDS

Interactive dashboards, which display real-time enterprise compliance metrics for up-to-date situational awareness of network risk.



OPEN ARCHITECTURE

Built on an open, flexible framework with embedded micro services built using a Client-Server Model with an integrated journal.



END USER ENGAGEMENT

A direct line of communication from the incident responder to the desktop of end users.



INCIDENT RESPONSE

Instantly respond to threats by executing a cleanup, AV update, and services status check across endpoints in a matter of seconds.

CRYPTO-AGILITY RISK MANAGEMENT & READINESS

Take advantage of TYCHON's multiple data sources to collect valuable cryptographic system datasets.



Signing
Certificates



Certificate
Files



Encryption
Libraries



Listening
Services



Web
Services



Root
Certificates



User
Certificates

- ▶ Track all Certificates in the Certificate Store
- ▶ Identify Soft Certs on Drives
- ▶ Identify Services hosting TLS/SSL Certificates
- ▶ Identify Web Service Encryption Methods through Settings

- ▶ Identify Software using Encryption Libraries
- ▶ Track External Connections using SSL/TLS
- ▶ Investigate the use of Web Browser Applications

