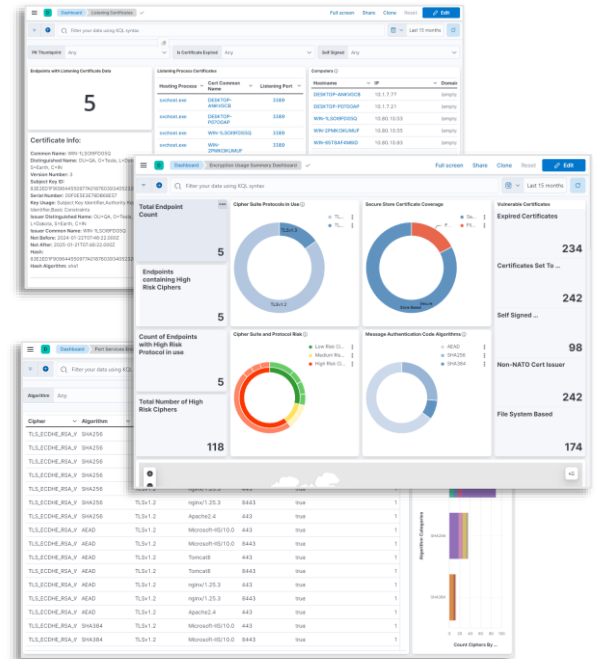


# TYCHON

## 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 assists organizations with meeting this mandate by delivering 1) a comprehensive inventory of cryptographic systems and 2) a 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.



### MESH MODEL

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



### OPEN ARCHITECTURE

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



### INCIDENT RESPONSE

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



### TYCHON JOURNAL

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



### DYNAMIC DASHBOARDS

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



### END USER ENGAGEMENT

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

## 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

