

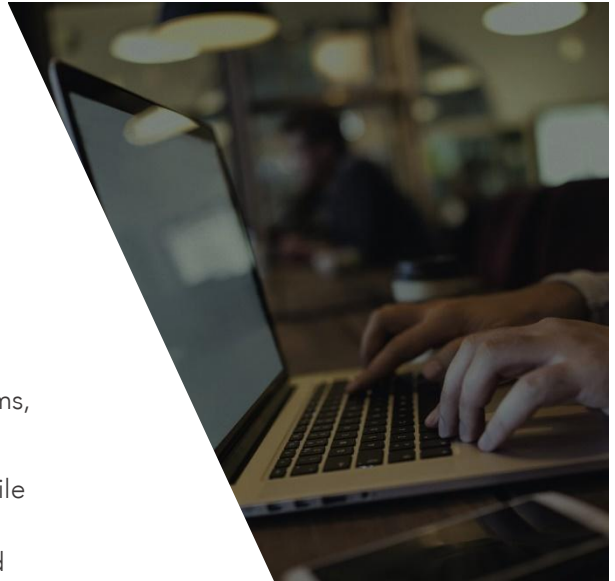
TYCHON

Quantum Readiness Product Sheet

In 2022, the White House signed into law the Quantum Computing Cybersecurity Preparedness Act (H.R. 7535). This law requires agencies to prepare now to implement **Post-Quantum Cryptography** (PQC). Specifically, government agencies must maintain an inventory of all information technology in use that is vulnerable to PQC.

TYCHON Quantum Readiness is an Automated Cryptography Discovery & Inventory (ACDI) tool designed specifically to help agencies meet the requirements of this law. The tool delivers a comprehensive and prioritized inventory of cryptographic systems, including:

1. Algorithm in use, service provided, and length of keys (file system, ports, keystores)
2. Risk-scored cryptographic inventory for executables and databases (in-transit and at-rest)
3. List of vulnerable systems and devices across most modern and legacy Windows and Linux OSs.



Risk Management



Signing
Certificates



Certificate
Files



Encryption
Libraries



Listening
Services



Web
Services



Root
Certificates



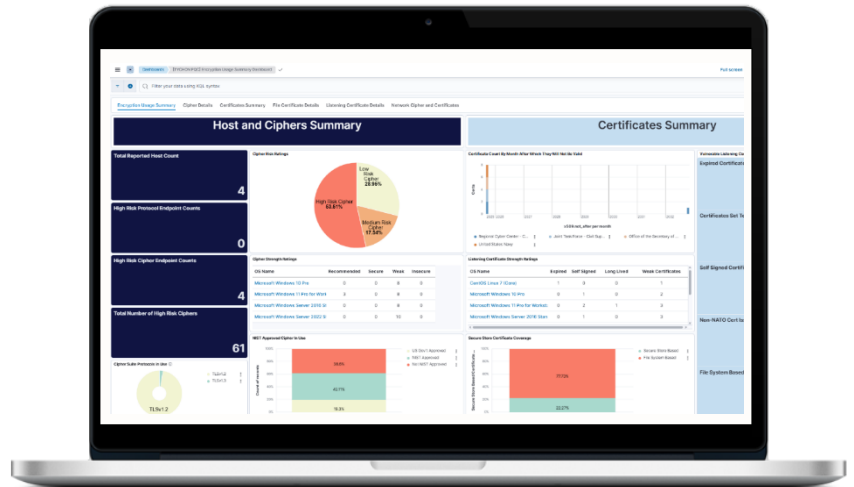
User
Certificates

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

- Track all certificates in the certificate store.
- Investigate Web Browser applications.
- Identify soft certs, services hosting TLS/SSL certificates, encryption methods, and more.

Capabilities

- ▶ Track certificates by algorithm type.
- ▶ Identify countries of origin for certificates.
- ▶ Quickly detect expired certificates.
- ▶ Calculate certificate ages to identify your most vulnerable certs.
- ▶ Filter and search based on host, keywords, file types, and more.



Identify

Rapidly gather, **inventory**, and **prioritize** cryptographic systems to include applications, files, and connections.



Act

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



Monitor

Continuously monitor endpoints to identify **cryptographic status** for reporting and taking action.

Comprehensive &
Actionable Inventory
of Cryptographic
Systems

