

Practical Checklist for Crypto-Agility and a Secure Digital Future

What?

Crypto-agility is the ability to switch quickly and efficiently between cryptographic standards without making significant changes to the rest of the infrastructure.

Why?

4 Top Reasons Why It Is Essential to Be Crypto-Agile Today

- Sudden cryptographic compromises
- Frequent cryptographic upgrades (i.e. SHA-1 to SHA-2)
- Preparation for post-quantum cryptography (PQC)
- Growing regulations around the use of cryptography

How to Achieve Crypto-Agility

- ✓ Discover All Crypto Assets

Discover all crypto assets, such as digital certificates, keys, and crypto libraries used in your organization and identify the hardware, software, or services they are protecting.
- ✓ Build an Inventory and Achieve Holistic Visibility

Create a central inventory of all discovered digital certificates with essential information about their location, expiry date, owner, and Certificate Authority (CA). Analyze and track crypto standards to ensure compliance.
- ✓ Automate Certificate Lifecycle Management (CLM)

Automate CLM processes end-to-end to simplify, secure, and optimize certificate management, and, in turn, build flexibility and business agility.
- ✓ Establish Policies and Enforce PKI Governance

Establish and enforce enterprise-wide crypto policies around using, modifying, and retiring cryptographic mechanisms to ensure the use of the most current versions of cryptography.

Business Benefits of Being Crypto-Agile

- Proactive defense and faster threat remediation

• Systematic migration to post-quantum cryptography (PQC) without expensive security retro-fitting

• Continuous compliance and security as cryptography evolves
- Better visibility and insights to prevent cryptographic failures

• Single, central platform for managing assets and their digital certificates efficiently

• Achieve Zero Trust security

Bring Cybersecurity Up to Speed with Digital Transformation and Quantum Computing. Start Practicing Crypto-Agility Today!