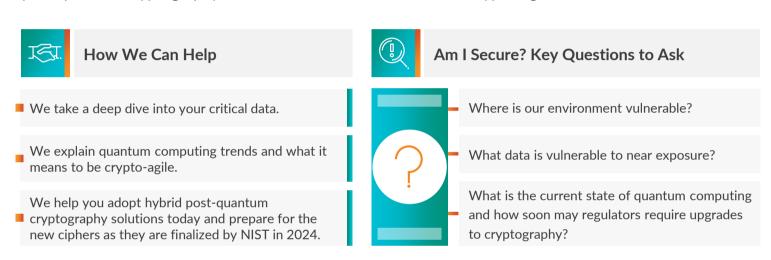


# Post-Quantum Cryptography Assessment

### How Crypto Agile Are You?

With the quantum threat approaching, organizations need to prepare now to mitigate cryptographic security risks and encrypt long-term sensitive data securely. Organizations can prepare by taking our post-quantum cryptography readiness assessment and become crypto-agile.





#### **Assess Your Crypto-Agility**

We help you prepare long before a problem occurs by planning, implementing and testing cryptographic solutions. We outline four steps to migrate to Post-Quantum "Safe" Cryptography:



### **Quantum Applied to Cybersecurity Challenges**



#### **Prepare Now with Our Quantum Solutions**

We help clients maximize the benefits of quantum with an end-to-end approach. The risk of ignoring quantum computing can result in several losses:







Cybersecurity Risk



**Encryption Risk** 



Reputational Risk



Competitor Risk



#### What is the Quantum Threat?

The quantum threat to cryptography emerged in 1994 when Peter Shor invented a quantum algorithm to break the RSA cryptosystem— a public-key cryptosystem that is used for secure data transmission.

Although the Advanced Encryption Standard (AES) that we use today will not be broken by quantum computers, it can be weakened, and once we increase the algorithmic power of quantum technology, our current public-key cryptography will become defenseless against security threats.

Organizations must prepare now to become crypto-agile and defend against quantum security threats as this technology evolves.



#### **Explore Our Quantum Solutions**



Quantum-Inspired Use

Achieve ROI today while learning quantum-inspired techniques that run on today's classical hardware



Quantum Business Proof of Concept Build the code necessary for portfolio optimization, fraud detection and vehicle routing



Post-Quantum Readiness Workshop Assess your readiness for the arrival of quantum computing and explore potential use cases for your industry

## Let's Transform Together.



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