

Preparing for the Quantum Era: Why Post Quantum Cryptography Matters Now

Quantum computing is rapidly becoming a reality. While it offers exciting opportunities in fields such as healthcare and artificial intelligence, it also presents a significant threat to traditional encryption, and the world of cyber security. Organisations need to adapt their security strategies to remain protected. Cyber criminals are already employing “harvest-now, decrypt-later” tactics, collecting encrypted data today with the intention of decrypting it once quantum computers mature.

A recent survey showed that 91% of businesses lack a formal post-quantum cryptography (PQC) roadmap. The National Cyber Security Centre (NCSC) strongly advises organisations to start preparing.

Taking steps now to prepare for these changes will help you safeguard your systems and sensitive information.

How Sapphire can help you

Sapphire's Post-Quantum Cryptography (PQC) Gap Analysis & Readiness Review provides a structured, expert-led approach to future-proof your organisation's cryptographic posture, aligned with NIST and NCSC guidance.

With a six-step process, our consultants guide you through the assessment, analysis, and planning in a streamlined, collaborative engagement. And at the project conclusion, you have a clear, actionable plan

✓ Key Benefits

- Proactive protection against quantum threats and “harvest-now, decrypt-later” risks
- Alignment with NIST PQC standards and global best practices
- Comprehensive roadmap for crypto-agility and POC migration
- Reduce compliance risk and improved resilience

and supporting materials to guide your organisation's transition to quantum-safe cryptography, with expert support at every stage.

You receive:

- PQC Gap Analysis Report
- Cryptographic Inventory Workbook
- Risk Assessment Summary
- Strategic Migration Roadmap
- Executive Summary Presentation

The outcome

By Partnering with Sapphire, your organisation will:

- Proactively protect against quantum threats and harvest-now, decrypt-later risks.
- Gain a clear, actionable roadmap for PQC migration, empowering you to safeguard long-lived data and maintain business continuity.
- Achieve crypto agility, enabling rapid adaptation to new cryptographic standards.
- Align with NIST PQC standards and NCSC guidance, ensuring regulatory compliance.
- Reduce compliance risk and improve overall resilience

Ready to future proof
your security?

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