

THIS WEEK IN QUANTUM SECURITY

July 10, 2026



By
Joel Van Dyk
Quantum Security Advisor
and Strategist

THE THEME THIS WEEK: PACE

This week, the quantum conversation feels faster than the calendar. Platform providers are moving timelines. Crypto firms are confronting decentralised migration. Investors are treating quantum as strategic infrastructure. Researchers are measuring real-world deployment gaps. London is building more of the commercial ecosystem around quantum applications.

THREE SIGNALS TO WATCH

- 1 Digital assets are a visible stress test**
Reuters' crypto reporting and Project 11's work show why quantum risk in digital assets is also a coordination problem: exposure, wallets, custodians, protocols, exchanges, and trust. Full disclosure: Project 11 is a client.
- 2 Platform providers are moving the clock**
Microsoft and Cloudflare are bringing PQC into identity, certificates, trust chains, software signing, cloud services, APIs, VPNs, and supply-chain security.
- 3 Quantum is becoming an infrastructure market**
Capital, government funding, London's QBase ecosystem, and current research all point toward faster commercialisation and more pressure to prepare.

WHAT I'M READING

- **Reuters: Crypto firms prepare defences**
<https://www.reuters.com/legal/government/crypto-firms-prepare-defenses-quantum-threat-encryption-draws-nearer-2026-07-08/>
- **Microsoft: Quantum-safe risk timeline shifts**
<https://www.microsoft.com/en-us/security/blog/2026/06/30/microsoft-advances-quantum-safe-security-as-the-risk-timeline-shifts/>
- **Cloudflare: Post-quantum executive order milestone**
<https://blog.cloudflare.com/post-quantum-eo-2026/>
- **Financial Times: US quantum computing needs a national buyer**
<https://www.ft.com/content/328b6708-a1dc-4438-a25a-2622c301d212>
- **Barron's: IonQ stock and quantum-sector volatility**
<https://www.barrons.com/articles/ionq-stock-quantum-computing-3817f029>
- **NIST: \$2B quantum letters of intent**
<https://www.nist.gov/news-events/news/2026/05/departments-commerce-announces-letters-intent-9-companies-2-billion>
- **Quantum Insider: QBase London applications hub**
<https://thequantuminsider.com/2025/10/03/edenbase-and-northeastern-university-london-launch-qbase-londons-first-quantum-applications-hub/>
- **QURECA: Executive quantum training at QBase**
<https://www.quireca.com/quireca-edenbase-and-qcentroid-have-announced-a-partnership-as-part-of-edenbases-qbase-ecosystem-initiative/>
- **arXiv: Post-quantum readiness of internet**
<https://arxiv.org/abs/2606.16473>
- **arXiv: PQC validator for 5G core networks**
<https://arxiv.org/abs/2605.01454>
- **arXiv: Observability for PQ TLS readiness**
<https://arxiv.org/abs/2605.02978>

ONE NUMBER TO WATCH

2029

Microsoft and Cloudflare are both moving post-quantum readiness timelines toward 2029. The threat may not arrive on a neat schedule, but the enterprise preparation window is getting shorter.

CLOSING THOUGHT

The phrase that keeps coming up is still cryptographic agility. But this week, I would add another word: pace. Because in quantum security, the ground is moving quickly - and staying current is now part of staying ready.

Read the full Issue 8 briefing:

<https://www.joelvandyk.com/thisweekinquantumcryptophyjoelvandyk>