

QUANTUM SECURITY & PQC

Quantum-Safe Cloud Service Providers

SECTOR OVERVIEW

Plan migration across cloud infrastructure while defining responsibilities, platform capabilities and transition paths for customers.

DURATION

3 hours

Short professional course

LEVEL

Intermediate

No formal prerequisites

ON-DEMAND FEE

US\$249

Online on-demand

Coordinate platform and customer change.

WHAT YOU WILL LEARN

- ✓ Define provider and customer responsibilities for post-quantum migration.
- ✓ Assess hybrid key exchange across TLS termination, edge and delivery services.
- ✓ Sequence key management and HSM changes around customer dependencies.
- ✓ Turn readiness evidence and customer requirements into a product roadmap.

WHO SHOULD ATTEND

Platform security architects, key management owners, TLS and edge infrastructure leads, compliance teams and product managers at cloud, SaaS and managed providers.

PREREQUISITES

None. Sector experience helps. Post-Quantum Foundation is an optional starting point.

Why Quantum Academy

Quantum Academy teaches from the Applied Quantum PQC Migration Framework and faculty experience running enterprise migration programs.

What you will study

Sector-specific priorities for post-quantum migration.

01 Shared Responsibility in PQC Migration

Define provider and customer responsibilities. Assess customer-managed keys, APIs, SDKs and the communication needed to coordinate migration.

02 TLS at Cloud Scale

Evaluate performance at high connection volumes. Plan hybrid deployment across load balancers, content delivery and certificate management.

03 KMS and HSM Fleet Migration

Coordinate key management and HSM upgrades. Assess key wrapping, customer-managed keys and transition paths that protect customer dependencies.

04 Compliance and Market Requirements

Review applicable assurance frameworks, audit expectations and customer requirements. Build clear readiness evidence and a customer-facing capability roadmap.

Formats and fees

Online on-demand	US\$249
Live online	US\$379
In person	US\$499
Private team training	Custom quote

What is included

- Course handbook: full material with written instructor notes.
- 180 days of online on-demand access. Where that course is not yet published, the 180 days start on the day it is.
- PDF copy of Quantum Ready by Marin Ivezic, at no extra cost.

Includes a certificate of completion. This is not a professional certification.

Explore the course

[View course details at QuantumAcademy.com](https://quantumacademy.com)



On-demand enrollment opens soon. Check the course page for live dates and availability.

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