Quantum-Safe Cloud Service Providers Intensive

Practitioner intensive

A full-day workshop for cloud and SaaS providers planning their PQC programs. Leave with an inventory plan, customer disclosure, and year-one roadmap.

Duration	Level	Fee
8 hours	**Practitioner**	**US$1,199 live online**
Planning workshop	No cryptography background needed	US$1,599 in person

Cloud and SaaS providers run two post-quantum cryptography (PQC) migrations at once. You migrate your own platform, and you add the PQC support your customers need in the services they use. Customer questionnaires already ask whether your services support the NIST-standardized algorithms and whether you have a migration plan. In this workshop, you plan both programs, and the per-service disclosure that tells customers what each service negotiates today and its target dates for those algorithms.

What you will build

- A service map by domain, with the responsibility line marked
- A program charter and steering committee structure
- An inventory plan, with its domains, starting records, and order
- An initial priority list, with evidence gaps recorded
- A supplier dependency register that separates evidenced dates from assumptions
- A draft per-service customer disclosure, with exclusions stated and every date graded
- A workstream structure with role and resource assumptions
- A year-one plan by quarter, with board KPIs, the decisions you need from others, and your written commitments

Who should attend

- Program managers and PMO leads
- Platform security architects
- KMS and cryptography service owners
- TLS and edge infrastructure leads
- Compliance staff who own FedRAMP or equivalent obligations
- Procurement and vendor management
- The CISO or CTO who will sponsor the program

The intensive is for providers of cloud platforms, SaaS applications, and managed services. We recommend sending a mixed group from one provider, ideally the people who would be members of its quantum readiness steering committee. Bring at least one person from product management. Many of the sequencing decisions in this workshop are product decisions.

Preparation

We recommend Quantum-Safe Cloud Service Providers as preparation, though you can enroll without it. It covers the same ground at overview depth. You can work through the day with data from your own organization or with a sample cloud provider we provide.

Why Quantum Academy

This intensive is built on the Applied Quantum PQC Migration Framework, published openly under Creative Commons at pqcframework.org. No sector extension has been published for cloud and SaaS providers yet. We teach the framework's cloud and SaaS guidance from the provider's side instead. The course author wrote the framework. The instructors run migration programs in this industry and teach the sector material from that field work.

Curriculum and enrollment

The day

The instructor starts each module with a short briefing. You then apply the module's template to your own platform or to the sample provider. In person, we teach the intensive from 09:00 to 17:00 local time, with lunch and two breaks:

09:00–09:50 · Module 1. The two programs and the responsibility boundary
The instructor walks through a published provider roadmap and the framework's boundary between provider and customer. You migrate what you alone control, such as TLS termination on managed front ends.

09:50–10:40 · Module 2. Mandate, governance, and the business case
You build the business case on the quantum readiness criteria in customers' procurement, with planned refresh shown separately from new money.

10:40–11:00 · Break

11:00–11:45 · Module 3. Inventory planning
You plan the inventory across compute, storage, network, identity, and managed services, starting with internet-facing endpoints and key management.

11:45–12:30 · Module 4. Risk scoring and priorities
You score each entry on exposure, trust-infrastructure criticality, migration feasibility, and regulatory and contractual pressure, and record unknowns instead of guessing them.

12:30–13:30 · Lunch

13:30–14:20 · Module 5. Your own suppliers
You classify your suppliers, from HSM vendors and CDNs to the open-source libraries you build on, by how much of your timeline they control.

14:20–15:10 · Module 6. Customers and authorization programs
Customers who follow the framework's cloud and SaaS guidance ask you for two things per service: what it negotiates today, and dated targets graded for firmness.

15:10–15:30 · Break

15:30–16:15 · Module 7. Program structure and staffing
You organize the work into workstreams and repeatable work packages, such as one pattern for one service in one region.

16:15–17:00 · Module 8. Year-one plan, KPIs, and commitments
You assemble the day's work into a year-one plan by quarter, with board KPIs for coverage, trust anchors, inventory, supplier commitments, and agility.

Live online, we teach it in two four-hour sessions on consecutive days, each with a short break. We cover Modules 1 to 4 in the first session and Modules 5 to 8 in the second.

Formats and fees

Format	Delivery	Fee
Live online	Two four-hour sessions on consecutive days	US$1,199
In person	One day, 09:00 to 17:00 local time	US$1,599
Private team training	Only your own colleagues attend	Quoted per engagement

What is included

- The course handbook, a PDF of the full material with the instructor notes written out
- A PDF copy of *Quantum Ready* by Marin Ivezic, the companion book to the framework the day draws on
- The working documents you build during the day, editable and yours to keep
- 180 days of access to the corresponding online on-demand course. Where that course is not yet published, the 180 days start on the day it is.
- A Quantum Academy certificate of completion. It confirms that you completed the course and is separate from Quantum Academy's professional certifications.

Explore the course

Dates and booking: quantumacademy.com/courses/quantum-safe-cloud-providers-intensive/

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Prices as of October 2026.

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