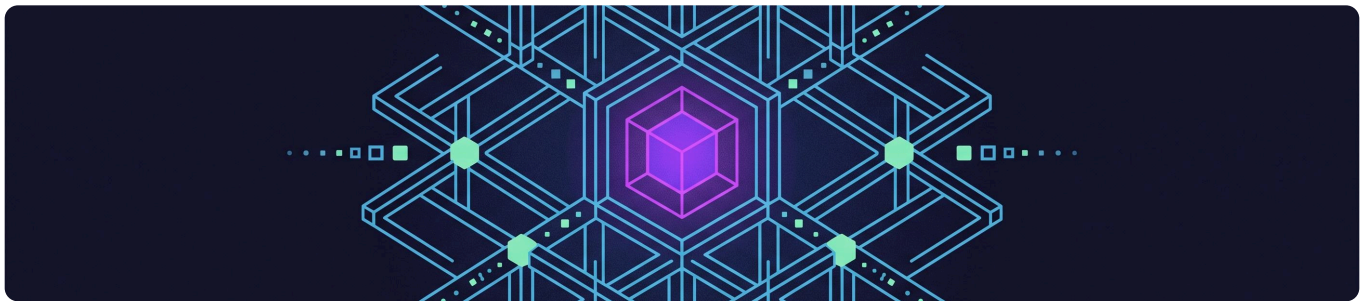


SOLUTION BRIEF - FEDERAL EDITION

Post-Quantum Readiness Through the Enterprise Software Control Plane

Supporting Executive Order 14412 through independent software assessment, migration planning, and continuous post-quantum readiness



The Challenge

The transition to post-quantum cryptography requires organizations to understand, prioritize, and assess software cryptography at enterprise scale. While much of the industry focuses on replacing vulnerable cryptographic algorithms, the broader challenge is managing software risk throughout that transition.

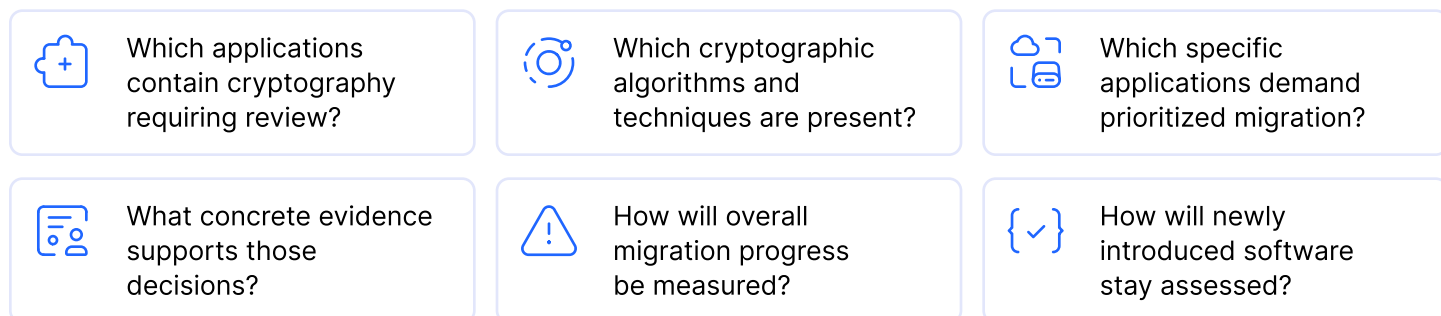
Enterprise software portfolios contain commercial applications, open-source components, internally developed software, AI-generated code, and continuously evolving software updates. Cryptographic implementations are embedded throughout these software assets, making them difficult to identify, evaluate, prioritize, and manage consistently across large enterprise environments.

Discovering vulnerable cryptography is only one part of the problem.

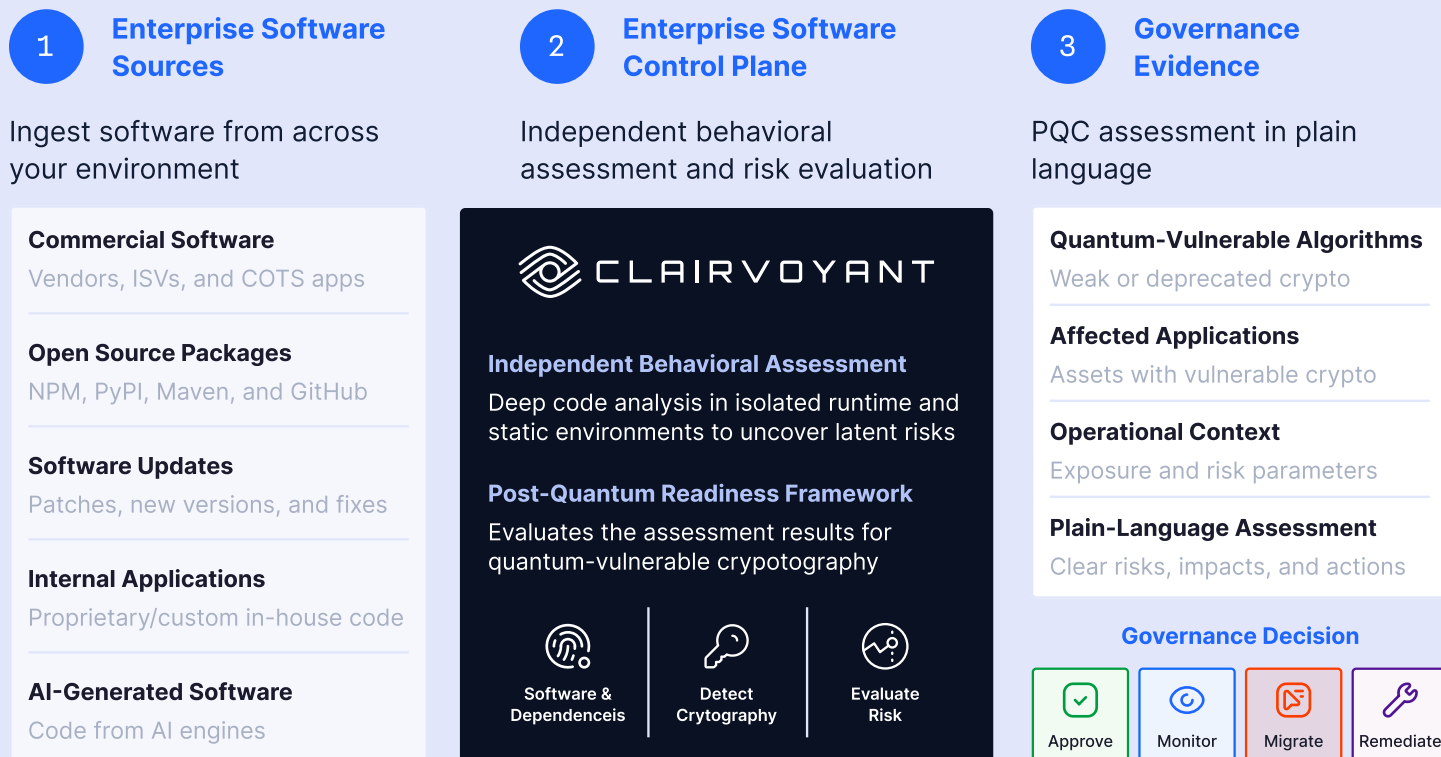
Organizations also require a repeatable process for assessing software, prioritizing migration, and measuring progress as enterprise environments evolve.

Questions Every Organization Should Answer

“Which applications in our environment still rely on quantum-vulnerable cryptography?”



Clairvoyant Intelligence - PQC Risk Assessment Workflow



Continuous Assessment & Governance

New software, updates, and dependencies monitored constantly to sustain enterprise readiness.



Continuous Monitoring

Ongoing ingesting and assessment of software and updates



Policy Enforcement

Enterprise PQC policies applied consistently across all software



Metrics & Compliance

Track overall readiness progress and generate audit reports

Post-Quantum Readiness Framework

While cryptographic discovery identifies issues, the Post-Quantum Readiness Framework evaluates software to generate the actionable governance evidence needed to guide and prioritize migration decisions.



Identify active cryptographic algorithms across software.



Align cryptographic choices with enterprise policies.



Pinpoint software packages using vulnerable encryption.



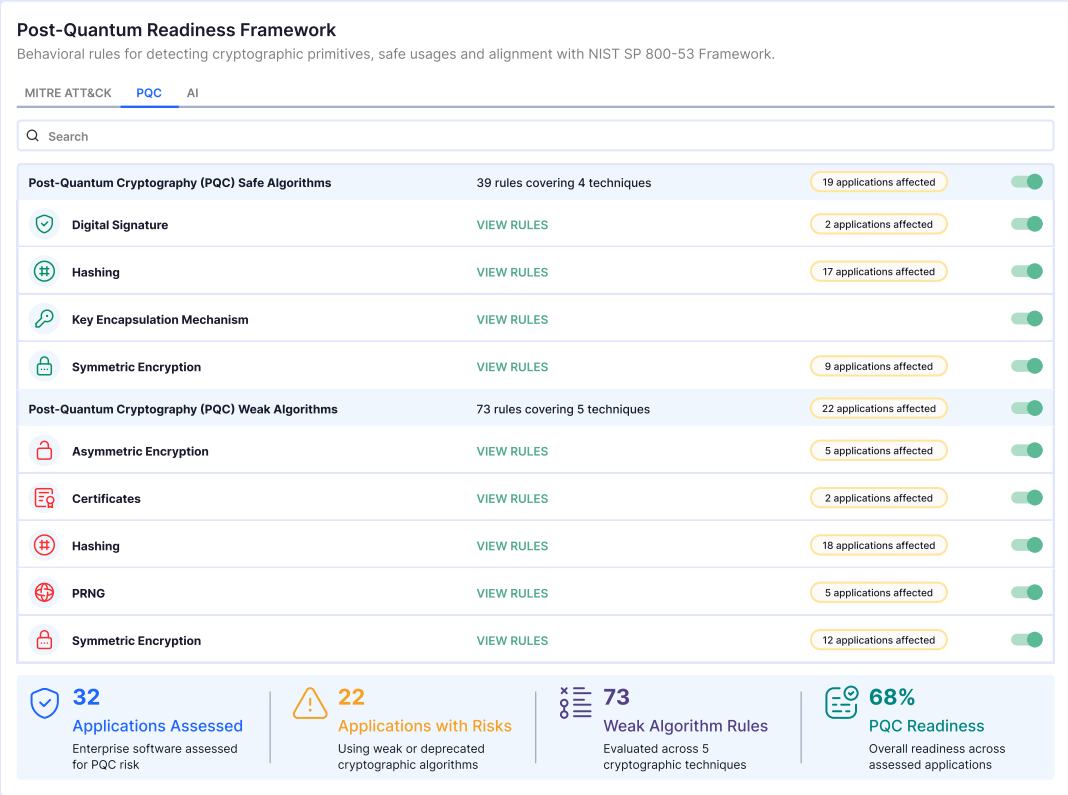
Prioritize mitigation paths and track overall readiness.



Track security risks continuously as software evolves.



Deliver actionable findings to guide migration planning.

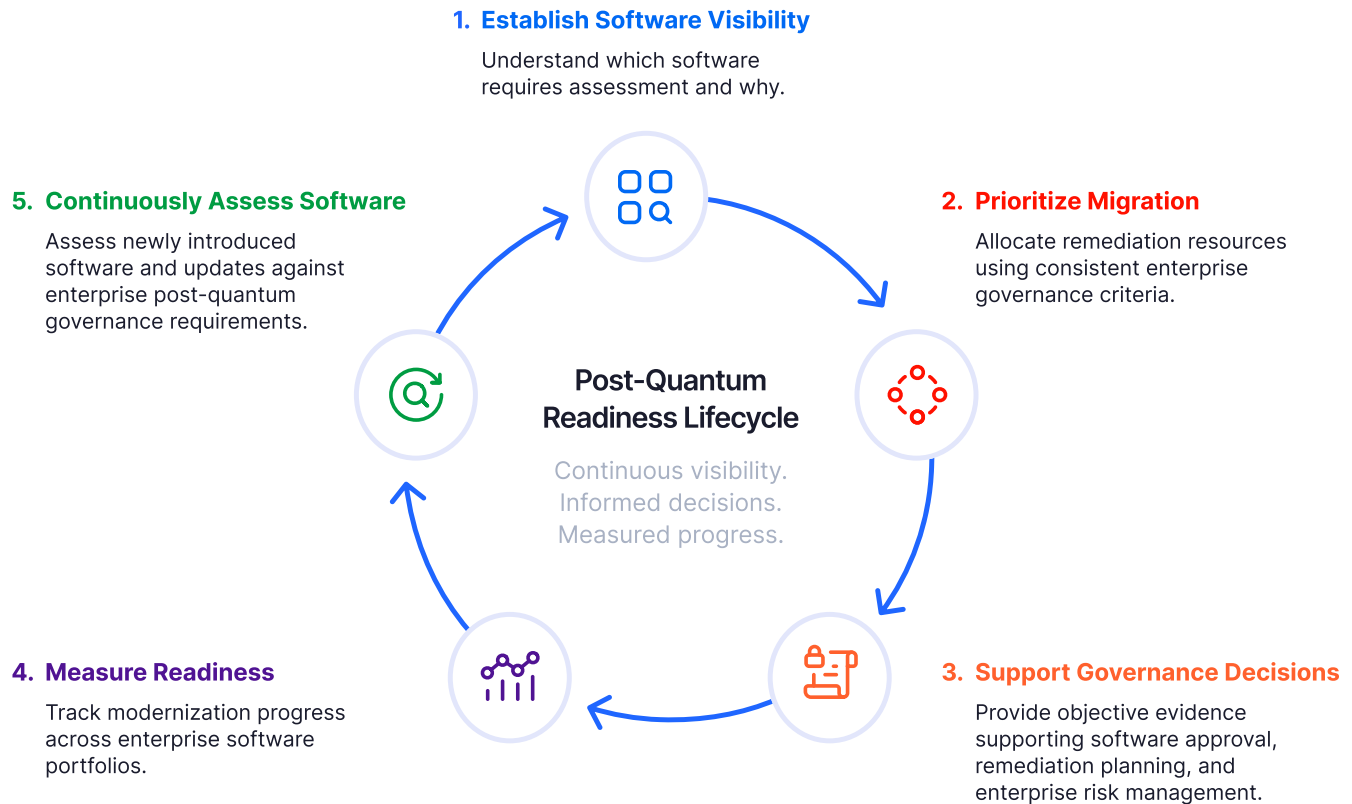


Key Capabilities

1. Evaluate cryptographic algorithms in software.
2. Identify applications with weak security.
3. Measure readiness and support governance.
4. Continuously assess new software updates.
5. Independently evaluate and validate CBOMs.

Figure 2: Post-Quantum Readiness Framework
The framework evaluates software against enterprise policies to identify cryptographic techniques. It highlights affected applications to generate evidence supporting migration and governance.

Assessment to Continual Operations



Outcome

Gain the visibility and evidence needed to reduce quantum risk and make confident software decisions.

Summary

Executive Order 14412 sets clear objectives for transitioning Federal information systems to post-quantum cryptography. Achieving compliance requires a repeatable process to continuously assess software, prioritize migration, and generate the governance evidence needed to guide software decisions.

The Enterprise Software Control Plane provides these risk-informed insights before deployment. Through the Post-Quantum Readiness Framework, it delivers independent software analysis that does not rely on vendor participation or the availability of Cryptography Bills of Materials (CBOMs).