

IBM Bob + Quantum Safe Explorer

Providing clients a *repeatable*, *automated*, and *validated* approach to modernizing every application across their organization.

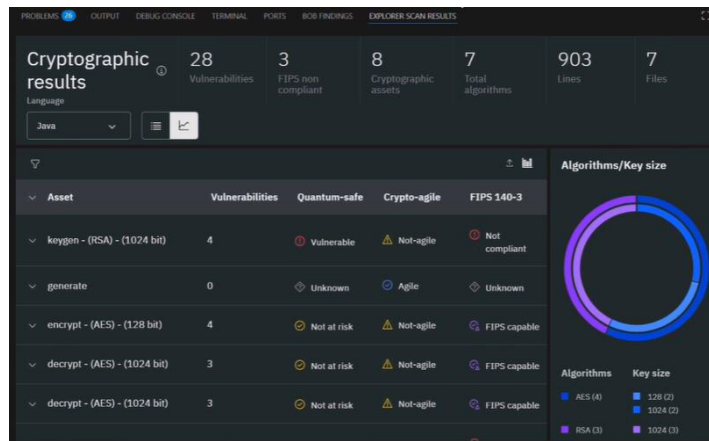
Outcomes

- Manual effort reduced from weeks to *days*
- Assurance through *automated* and *deterministic validation*
- Accelerate *compliance* with NIST PQC standards
- Achieve *crypto agility* for application modernization

IBM Bob

Your AI-Powered Development Partner

IBM Bob is an AI SDLC partner that understands developer intent and works across environments. Bob understands entire codebases through deep context awareness and helps developers accomplish end-to-end development tasks. Bob is your development partner, supporting you as you reason about code and make decisions, while keeping you in control every step



IBM Quantum Safe Explorer

- Scans source code for cryptographic assets.
- Clearly identifies vulnerable or deprecated algorithms, libraries, and certificates.
- Provides precise locations and risk categories.
- Validates whether updated code is quantum-safe.

Outcomes

Speed

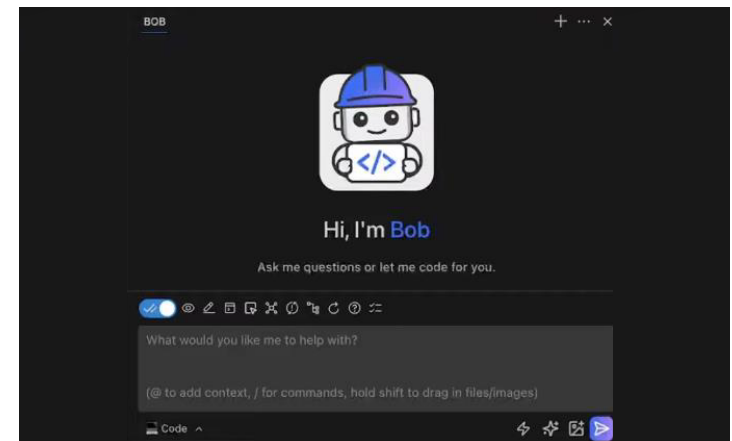
- Reduce quantum-safe modernization time from weeks to days.
- Accelerate compliance with NIST PQC standards and internal security policies.

Accuracy + Assurance

- Removing unsafe algorithms via best practices ensures a genuinely quantum-safe codebase.
- This eliminates guesswork and reduces risk.

Reduced Cost

- Automates manual tasks to cut operational, AI compute, and compliance costs
- Modernization projects avoid delays and overruns.



IBM Bob

- Understands context across entire codebases.
- Build remediation plan based on QSE's scan results
- Automatically analyzes and updates code.
- Replaces quantum-unsafe components with quantum-safe alternatives.