

#### We secure video game DRM better than bank keys



The video game industry rotates keys better than banks or agencies.

THE PROBLEM: Poor key management risks mission failure. THE SOLUTION: Start with visibility.

Sound familiar?

#### What PQC migration is not

New algorithms alone A one-time project -- More scanners -- Compliance checkbox

These are tactics. Not the foundation.

#### The data shift

SIEM/EDR/CMDB > Real-time insights

Not just data collection.

A new model for crypto governance.

## What PQC migration is

"Real-time discovery of crypto assets proven with existing data evaluated against PQC readiness maintained through automation."

Discovery

Data-driven

Readiness

Automated

## Failure pattern VS success pattern

UK PIV (2010s)

Heartbleed (2014)

NSA PQC Plan (2020s)

Pattern: Manual methods fail at scale.

Result: 7 out of 10 PQC efforts stall.

Google (2010s)

Microsoft (2020s)

NSA Timeline (2025)

Pattern: Automated lifecycle, mapped dependencies, continuous governance Success rate: ~3 out of 10.

#### The security catastrophe



PQC RISK: Quantum could break RSA/ECC MULTI-AGENCY: Unmapped dependencies amplify damage

RECOVERY: Billions in mitigation This was operational failure, not theory.

# Why this matters for MITRE

You don't manage "PQC" in abstract.
You manage mission crypto:
Defense systems
Agency APIs
OT networks
Cloud platforms

Federal relies on you

Operations depend on you

 $Digitizing\ crypto\ transforms\ mission\ assurance.$ 

# What "Discovery" means for MITRE

When discovery is data-driven, these questions matter:

WHO MAPS THE DATA? WHO UPDATES THE MAPS? WHO ACTS ON THE DATA?

 $These \ are \ governance \ questions for \ mission \ readiness.$ 

### What "Automated" means for MITRE

Manual: one-time fixes, high risk. Automated: continuous protection

BUDGET NEED

BUDGET NEED CRYPTO RISK

Initial cost: \$X Quantum: 5-10 year horizon

Annual automation: 10-15% of \$X Plan: Ongoing agility

CRYPTO RISK

Automation isn't optional—it's survival.

### Before you commit to any approach

Understanding PQC is tells you what to ask:

BECAUSE IT'S DISCOVERY-DRIVEN BECAUSE IT'S AUTOMATED BECAUSE IT'S MISSION-CRITICAL
Who maps and updates data? Can you fund 20+ years of automation? What's your PQC migration plan? Who's your anchor tenant? How do you mitigate mission risk?

If you can't answer, you're not ready.

### Success looks like this

You know you're ready when

- ✓ Anchor tenants drive demand
  ✓ 10-15% annual automation budget
  ✓ PQC migration plan in place
- ✓ Dependency maps updated
- Mission risks assessed

 $3\ out\ of\ 10\ succeed.\ 7\ fail\ without\ this.$ 

### What PQC migration is

- PQC migration is real-time discovery proven with data evaluated for readiness maintained through automation.

  \*\*Not just new algorithms.\*\*

  \*\*A new model for mission crypto.

  \*\*Tech is easy. Governance is hard.