

Security & Risk Management Built-In for Public Sector QA



White Paper

Synaptein Solutions Inc. | White Paper Series

Executive Summary

Government modernization programs must prioritize security and risk management from day one. Compliance with NIST Cybersecurity Framework (CSF), SOC 2, and data protection standards ensures that sensitive financial and citizen data remains secure during testing and beyond. Synaptein embeds security into every stage of QA and UAT, delivering solutions that protect data, comply with regulations, and reduce overall risk.

The Security Landscape

Agencies must manage sensitive financial and citizen data while adhering to strict federal and state security requirements. This includes:

- NIST CSF alignment for cybersecurity practices
- SOC 2 compliance for system and organizational controls
- State-level data security standards and regulations
- Public Records Law compliance, including redaction and secure retention

Failure to embed security in QA and UAT processes increases risks of breaches, audit findings, and loss of public trust.

Synaptein Approach

Synaptein integrates security and risk management directly into QA:

- Secure test data handling with masking and synthetic data
- Encryption of sensitive financial and personal data in testing
- Role-based access control for QA environments
- Compliance validation with NIST CSF, SOC 2, and state standards
- Redaction and transparency controls aligned with Public Records Law
- Security dashboards and reporting for leadership oversight

Case Examples

- FDIC: Security validation of analytics dashboards with SOC 2 alignment.
- IRS BEP RPA: Embedded NIST CSF practices in automation testing environments.
- NYC DSS: Implemented secure test data handling for Curam-based systems.
- TDLR: Enforced compliance controls in RPA workflows for licensing and inspections.

Key Outcomes

- Reduced risk of data breaches during UAT and QA cycles
- Audit-ready evidence of compliance with NIST CSF and SOC 2
- Transparent security reporting for oversight bodies
- Increased trust among stakeholders and end users
- Sustainable security framework integrated into QA processes

Conclusion

Security and risk management must be embedded in every QA and UAT activity for government modernization programs. Synaptein delivers secure, compliant, and transparent QA solutions that protect sensitive data, ensure regulatory alignment, and reduce risk from day one.