

Security & Risk Management in Public Sector QA



CASE STUDY

Case Study

Synaptein Solutions Inc. | Case Study Series

Client Challenge

Agencies needed to validate ERP and modernization programs while ensuring compliance with stringent data security requirements. Handling sensitive financial and personal data during UAT posed risks of breaches, audit findings, and regulatory violations.

Synaptein Solution

Synaptein integrated security and risk management into QA activities across engagements. Our solution included:

- Secure handling of test data with masking and synthetic generation
- Encryption of all sensitive datasets in testing environments
- Independent compliance validation with NIST CSF, SOC 2, and state regulations
- Redaction and data handling practices aligned with Public Records Law
- Leadership dashboards for continuous oversight of security compliance

Results & Impact

- Reduced likelihood of security breaches during UAT cycles
- Achieved audit-ready compliance evidence for regulators
- Improved confidence of stakeholders in modernization outcomes
- Established sustainable frameworks for secure QA and UAT activities

Value Delivered

Synaptein's embedded security-first QA approach ensured that agencies protected sensitive data while modernizing critical systems. By aligning with NIST CSF, SOC 2, and state security standards, Synaptein reduced risk, safeguarded compliance, and delivered trusted outcomes.