

Crown
Commercial
Service
Supplier

The logo for nine23 features a white Wi-Fi symbol above the word "nine23" in a bold, lowercase sans-serif font. The background of the entire page is a dark, moody image of a person's hands typing on a laptop keyboard, overlaid with a complex network of white lines and dots representing data or connectivity. A stylized padlock icon is visible on the right side.

nine23

The High Assurance MSP

Encryption Intelligence

SERVICE DEFINITION

nine23.co.uk

Service Definition

Encryption Intelligence allows you to address the quantum computer threat to data security. It provides complete visibility into cryptographic inventory and encryption risk. It scans your network for cryptographic vulnerabilities, provides clear actionable reports and guidance, and allows you to implement a complete and cost-effective PQC Migration Programme.

Service Features

- Discovery of all encryption in use across the organisation
- Accurate and comprehensive cryptographic inventory, keys, ciphers, certificates, KEMS, HSM
- Continuously-updated classic and post-quantum encryption inventory
- Organisation-specific encryption policies with alerts and notifications
- Reports and Dashboards detailing the organisation's encryption landscape
- Actionable insights with UK government-specific NCSC guidance to ensure compliance
- Integration to your security infrastructure - SIEM, SOC, CMDB, Identity
- Quantified policy-based risk scoring for every network communication
- Complete view of encryption across devices, applications, networks and Cloud
- Supports: ACDI, CBOM, TLS, SSL, IPsec, SSH, PQC, NIST, HNDL

Service Benefits

- NCSC-accredited Post-Quantum Cryptography Migration discovery capability and tool
- Proactively manage your organisation's encryption risk profile
Scope, plan and budget for mandatory PQC migration
- Comply with UK government requirements and NCSC best practices
- Educate your technical, procurement and business teams about quantum risk
- Prioritise PQC migration, minimise cost and reduce effort to comply
- Self-service cryptographic encryption inventory reporting
- Faster team ramp with built-in guidance and actionable advice
- Produce a prioritised migration plan for post-quantum cryptography encryption
- Validate supply chain supplier claims and compliance

Problems Solved

- Effective encryption of communications prevents threat actors from eavesdropping data or impersonating a legitimate business contact

- Data which is encrypted properly will be safe even if the underlying system or communications path is otherwise compromised.
- The migration to PQC will be one of the largest and most complex technology transitions of the coming decade. Those who start early will be the ones who maintain trust, resilience and competitive advantage.

Key Use Cases

- **Build a comprehensive Cryptographic Inventory:** Uncover the hidden encryption tech in applications, services, and devices that your employees and customers use.
- **Uncover encryption vulnerabilities:** Identify obsolete or weak encryption schemes and highlight exposures to known exploits
- **Prepare for migration to quantum safe encryption:** Prioritise systems applications and devices so your most critical assets can be protected from quantum attack
- **Continuous encryption monitoring:** Monitor your entire encryption landscape continuously and securely so you can detect and correct threats immediately
- **Validate vendor PQC compliance:** Test new vendor hardware and software to verify correct use of post quantum cryptography before deployment reducing supply chain risk

What Nine23 Do & Why

Nine23 is a veteran-owned **UK Sovereign, High-Assurance Managed Service Provider (MSP)** delivering cyber secure, resilient digital services for mission-critical operations.

Our service offerings include:

- InfoSec Advisory and Assurance
- Private/Hybrid Cloud
- Secure Collaboration
- Interoperability

Our solutions are built to meet the most stringent regulatory compliance requirements and are fully aligned with NCSC/DSIT guidance and Secure by Design principles. We enable individuals and organisations to operate with confidence, security and compliance.

Who Nine23 Work With

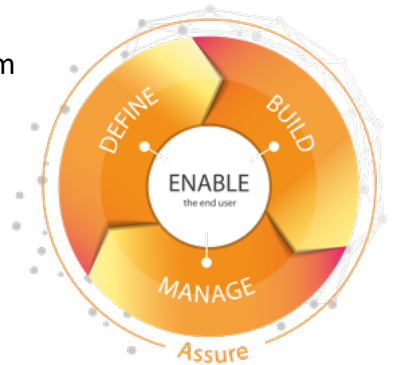
Nine23 delivers exceptional services to Discerning Clients in **UK Regulated Sectors who handle protectively marked data at above OFFICIAL**. We enable the HM Government, National Security and Public Safety, Defence Industry and their supply chains to collaborate and interoperate with simplicity, without ever compromising on security.

We have demonstrated significant achievements in difficult to break into sectors and have a stellar list of clients which demonstrates our credibility.

How Nine23 Work

Our Model

Our operating model builds security, usability, and compliance in from day one, so your technology, people, and processes work seamlessly together. As cyber threats evolve, so do we – keeping your users secure, empowered, and productive through continuous improvement, user-focused design, and UK sovereign solutions that meet national security standards.



Define - Your Problem

We understand information security and assurance as a business enabler, not a constraint. Our experts will conduct a comprehensive discovery phase to assess current capabilities and risks, define key security objectives, compliance standards, and end-user requirements, and develop a clear roadmap that enables digital transformation with high assurance at its core.

Build - Your Solution

We combine the best technology from the best vendors to create an environment that enables individuals to work together effectively and securely. Leveraging trust, innovation, and a depth of sector experience to provide collaboration and interoperability.

Manage - Your Service

We deliver high assurance and resilient managed services that enable seamless interoperability for teams to access the data and applications they need to work collaboratively. Our managed services include:

- 24/7 monitoring, proactive risk management, and compliance assurance
- Threat detection, response, and continuous security improvements
- A transparent Service Level Agreement (SLA) ensuring clear accountability

Why Choose Nine23?

Enabling the end user is the heart of everything we do, empowering them to work with the same simplicity and usability they expect at home, without ever compromising on security. We are **trusted, proven experts with a strong track record** of delivering nationally accredited, user-focused solutions in complex and highly regulated environments.

We deliver high assurance solutions **accredited for use at OFFICIAL (including SENSITIVE and other caveats) through to SECRET**, meeting the most stringent cyber security requirements. As a fully UK-owned and operated company, with all staff, infrastructure, and data located in the UK, we provide genuine **100% UK data sovereignty**.

Above all, we are **refreshingly honest**. Building long-term relationships through transparency and integrity, with no jargon or hidden risks, just secure solutions that deliver real operational value.

