

aretinco

The UK's Sovereign Certification Authority



 CYBERUK

Aretiico is the UK's only WebTrust-accredited Sovereign Certification Authority.

We enable organisations to take full control of their digital trust — securely, independently, and at scale.

At the core is CA in a Box — a fully operational, sovereign PKI platform, delivered ready to deploy.

CA in a Box delivers sovereign, programmable PKI — built for control, quantum readiness, and continuous certificate management.



Sovereignty & Interoperability

Who Controls Your Root of Trust?

If you don't control it — it isn't sovereign.

Most organisations already have PKI.

What they lack is control.

Sovereign by Design

- No legacy fragility
- No outsourced trust
- UK Sovereign Root CA
- WebTrust-accredited Certificate Authority
- Full control of keys, policy, and audit
- No hyperscaler dependency

Trust is not outsourced. It is controlled.

Built for Interoperability

Full control of your root of trust — without compromising how you connect, scale, or operate.

- Deploy anywhere: cloud, on-prem, hybrid, air-gapped
- Integrate seamlessly across environments
- Align with global standards and ecosystems

Global connectivity. Local control.

What Sovereignty Really Means

- Data: control location and access
- Operational: control how it runs, and by whom
- Technological: control the stack, even when disconnected

Trust is not outsourced. It is controlled.



Modern PKI

Built Like the Cloud.

Deployed on Your Terms.

If you don't control it — it isn't sovereign.
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Architected for Scale and Control

- Container-ready, modular architecture
- Deploy anywhere: cloud, on-prem, hybrid, air-gapped
- Automated and API-driven

Ephemeral Infrastructure — Full Control

- Replace components without disruption
- Enforce policy consistently across environments
- Operate with speed, precision, and repeatability

PKI as Programmable Infrastructure

Move beyond static, legacy PKI.
Build, manage, and scale trust as code
— securely, repeatably, and on demand.



Prepare for What's Next

Harvest now. Decrypt later is already underway.

Encrypted data is being collected today with the expectation that future quantum capabilities will enable decryption. As the threshold to break current cryptography rapidly decreases, the timeline to act is no longer theoretical.

The window to prepare is closing.

Be Ready for the Transition

- PQC-ready environments
- Hybrid certificate support (classical + quantum-safe)
- Crypto agility by design

Evolve Without Disruption

The challenge isn't quantum. It's legacy PKI.

- Spin up new Certificate Authorities quickly, without rearchitecting your environment
- Introduce quantum-safe algorithms alongside existing infrastructure
- Test, validate, and transition without impacting live services
- Avoid the cost, risk, and downtime of traditional PKI upgrades

Post-quantum isn't the hard part.

Replacing legacy PKI is.

Modern PKI lets you stand up new trust models, migrate at pace, and retire legacy on your terms.



Certificate Lifecycle Management

Visibility. Control. Automation.

The Shift to Short-Lived Certificates

Certificate lifecycles are rapidly compressing.

Certificate validity is already reducing — from a maximum of 398 days, with many certificates now issued at ~200 days, and further reductions expected to ~100 days by 2027 and just 47 days by 2029.

Full Visibility Across Your Estate

- Discover certificates across all public CAs
- Unified control over public and private certificates
- Eliminate blind spots and unmanaged risk
- Single, consolidated view

One platform. Complete oversight.



Automated by Design

- High-volume issuance, automated renewal and revocation
- Support for ACME, EST, SCEP, and APIs
- Policy-driven lifecycle management at scale

From Fragmentation to Control

Bring public and private trust together.

Manage all certificates, across all environments, through one platform — securely, consistently, and at scale.

About Our Company

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Aretiico was founded by Richard Parris, whose background in nuclear engineering, supercomputing, and cyber security led to a clear insight: sovereignty and security are inseparable.

Amid increasing geopolitical complexity and the concentration of digital trust in a small number of global providers, Richard identified a structural gap in the PKI market—the absence of sovereign trust authorities capable of delivering both full control and global interoperability.

Traditional PKI solutions forced a compromise between expensive on-premise infrastructure and cloud-based models that limit autonomy. At the same time, control of root trust and cryptographic authority became increasingly centralised, often outside national or organisational jurisdiction.

Aretiico was created to address this—combining sovereignty, security, and flexibility in a way not fully realised by existing vendors, and designed to adapt to the next generation of digital infrastructure.

As a remote-first company, Aretiico brings together expertise across cyber security, engineering, and cloud infrastructure from across the UK.

Our focus is to:

01



Build with the best technology

02



Operate with precision and accountability

03



Continuously improve through real-world feedback



Own Your Digital Trust with Aretiico

- > Explore your environment
- > Identify your blind spots

aretiico.com

info@aretiico.com



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