A Practical Guide to Choosing the Right Approach for PKI Health, Compliance & Monitoring

Executive Summary

Digital certificates now secure nearly every modern enterprise service - from identity and access management to HTTPS, IoT, and DevOps pipelines. With certificate volumes growing rapidly and cyber risks at an all-time high, relying on periodic manual audits from consultants is no longer enough.

PKI Insights delivers continuous, automated monitoring and compliance-ready reporting, helping organizations proactively detect risks, prevent outages, and reduce operational costs - without depending on external consultants, scheduling delays or unpredictable billing.

Why PKI Consultants Are Not Enough Today

PKI consultants offer expertise, but they operate within significant limitations that affect security, speed, and scalability:

Point-in-time snapshots
Consultants provide one-time assessments. Any certificates issued after the audit remain unchecked until the next engagement.

Slow results
Scheduling, access approvals and review cycles can take days or weeks - unacceptable when certificates can expire or be misconfigured at any moment.

High and unpredictable cost
Hourly or daily billing often results in large, unexpected expenses, especially in multi-CA environments.

External access required
Consultants typically need internal logs, privileged access or data exports - raising privacy, compliance, and operational concerns.

Inconsistent reporting
Reports vary by consultant may be overly verbose & often require internal interpretation action.

What PKI Insights Provides

PKI Insights is a lightweight, on-premise, automated PKI auditing and monitoring tool built specifically for ADCS and enterprise PKI environments.

Instant 360º PKI Monitoring & Posture

- Setup in under an hour & get health checks and risk assessments within minutes
- Covers all aspects of a PKI (CAs, HSMs, SSL endpoints)

Continuous Monitoring & Early Warning

- Detect expiring certificates, weak key usage, misconfigurations, revocation issues, and operational failures while scheduling the scans on-demand, anytime.

All Data Stays On-Premise

- No external access, zero cloud dependency.
- Fully compliant with strict privacy and security policies.

Clear, Graphical, Audit-Ready Reporting

- Dashboards, charts, exportable logs.
- Easy for security teams, compliance auditors, and management to understand.

Scales Effortlessly

- Supports multiple CAs, thousands of certificates, hybrid environments, and continuous issuance (IoT, DevOps, microservices).

Cost Predictability & High ROI

- One-time license + optional maintenance.
- Avoid recurring consultant bills that grow with every audit.

No Downtime or Disruption

- Non-intrusive scans.
- No privileged access required from external parties.

Feature Comparison Table

Feature / Criteria	PKI Insights	PKI Consultants
Time to First Results	Minutes	Days to weeks
Monitoring Frequency	Continuous / Scheduled	One-time snapshot
Data Privacy	100% in-house	Requires data sharing or privileged access
Cost Model	Predictable, fixed	Hourly or daily (high & variable)
Consistency of Findings	Always consistent	Varies by consultant
Reporting Quality	Standardized, graphical, audit-ready	Verbose, inconsistent, manual
Operational Disruption	None	Meetings, access setup, downtime possible
Remediation Speed	Immediate (risks detected early)	Delayed (audit cycles)
Flexibility	Highly flexible, on-demand scans	Rigid scheduling, slow turnaround
Scalability (Large PKI)	High	Limited by human effort

Operationalizing PKI Governance and Compliance

PKI Insights is ideal for organizations that:

- Operate Microsoft ADCS or MS Cloud PKI
- Require continuous compliance and audit readiness
- Have large numbers of certificates across servers, applications, devices or IoT
- Need to reduce risk of outages, expired certs, and misconfigurations
- Want to avoid expensive, repeated consultant engagements
- Prefer an on-premise, data-sovereign solution
- Also covers HSMs & SSL end-points

"Consultants are useful for design, implementation, and long-term PKI architecture – but not for continuous operational monitoring or rapid issue detection."

Cost & ROI Example

A typical mid-size enterprise engages a PKI consultant 2–4 times per year, costing $8,000 - $25,000 yearly depending on scope. PKI Insights replaces these recurring costs with:

- **One-time license**
- **Small annual maintenance (optional)**
- **Unlimited internal audits**
- **Unlimited certificate scans**
- **Unlimited CAs (as per the license)**

Over 3 years, this results in 70–85% cost savings for most organizations - while also improving security, uptime, and audit readiness.

Conclusion

Manual PKI audits are slow, expensive, and outdated for the pace of today's enterprise environments. PKI Insights delivers automation, accuracy and continuous visibility at a fraction of the cost and without relying on external resources. If you want stronger PKI hygiene, better uptime, and predictable security costs, PKI Insights is the smarter, modern alternative to traditional consulting

Contact us today to see how PKI Insights provides a complete inventory of your ADCS certificate landscape in less than **60 minutes**.

CA

Get 24x7 health checks for your CAs ensuring critical PKI services are always available & secure.

SSL End Point

Stay ahead of certificate expirations and misconfigurations with proactive SSL endpoint monitoring.

HSM

Protect the backbone of your cryptographic infrastructure with dedicated HSM monitoring.

Codegic is a security provider specializing in innovative PKI & Digital signatures products & services. Codegic delivers easy to use PKI products for areas like PKI, Document Signing, Timestamping, PKI Monitoring, Digital Certificates issuance & more helping enterprises solve complex security issues that always emerge during their digital evolution journey.

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