

DIGITAL KEYS & CERTIFICATES

CYBER FACTS & OBSERVATIONS

EXECUTIVE OVER SIGHT

Businesses depend on their secure digital identity. A product that enables the management and maintenance of a high trust environment across all data, devices and applications, preventing any costly certificate related incidents and outages is crucial.

DIGITAL KEYS AND CERTIFICATES PROTECTION AND MANAGEMENT

Digital keys and certificates provide the foundation for securing the transfer of data, processes and software assets from device to device which is fundamental.

- ▲ What are digital certificates?
- ▲ Why are they important?
- ▲ How many certificates do you have?
- ▲ Are you sure this is all?
- ▲ Who manages the inventory?
- ▲ How do you find undeclared or unauthorised certificates?
- ▲ How many have expired?
- ▲ How many are falsified?
- ▲ How are people exploiting poor certificate management?

Certificates are important, 'mission critical' in fact, yet their management is often informal and overlooked, at best, by most companies.

“87% of CISO's are unaware of the scope or status of their digital certificate deployments until it's too late”

Ponemon Institute, 2018

For all the effort and cyber investment in:

- ▲ Patching
- ▲ AV / NGAV
- ▲ Endpoint protection EDR
- ▲ Monitoring
- ▲ Multi-Factor Authentication
- ▲ Encryption - PKI, PGP, Tokenisation technologies
- ▲ User training
- ▲ Policies & processes.

It's all for nothing if your certificates are mismanaged. It's a worry executives don't need.



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Welcome to Black Swan, an automated and cost effective solution to empower CEO's and give focus and direction to IT.

Black Swan:

- ▲ Is platform agnostic. An inventory across all devices, from servers to mobile devices and IOT
- ▲ Scans the totality of your IT landscape, utilising military-grade technology
- ▲ Identifies all certificates and associated keys - symmetric, asymmetric, PKI, etc.
- ▲ Catalogues the inventory - manages expiry dates and operational life span
- ▲ Defines and implements policies in line with your Security Policy Framework
- ▲ Identifies their status, for:
 - ▲ Validity
 - ▲ Expiry
 - ▲ Revocation
 - ▲ Falsification
- ▲ Automates the orchestration and management of the renewal process
- ▲ Easily identifies and manages critical compliance facing workloads
 - ▲ For e.g. SHA1 migration programmes
 - ▲ Certificate lifecycle management
 - ▲ Compliance monitoring, inspection and management
 - ▲ Configuration management
- ▲ Provides an executive dashboard and reporting
- ▲ Provides IT with a certificate management platform.

“Black Swan is unique in its ability to discover and triage all certificates and keys across complex estates including mobile devices. Not simply searching for known assets, it enables total visibility and management of an enterprise’s certificate landscape and renewal process for the first time.”

Dr Alex Löw, Infosec Expert & Inventor

For further information, please contact info@edge.org.uk or telephone Andrew Krauze or David Whiston on 0800 808 5270.



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