cd

Your tool for the targeted discovery of digital certificates

Discover and monitor all certificates in your data centre.

Your Challenge

The need for securing and encrypting data streams is continuously increasing. For this purpose, digital X.509 certificates of various types **from a wide range of sources** are in use. They are located at various points in every data centre and company network. In addition, there are always new areas of application for e.g. cloud, digital signatures, decentralised devices from the areas of Industrial Internet of Things (IIoT), Internet of Things (IoT) and embedded systems.

Some certificates are actively installed, but most **enter the network unnoticed**. For example, they are pre-installed on new devices or included in software packages. These certificates do not necessarily meet your internal compliance requirements or current standards. In addition, these certificates can expire unnoticed, as you have no knowledge of their existence, nor of their expiry date. The likelihood of expiring certificates is additionally increased by the current plans to further shorten the certificate validity to 3 months.

Undetected expired or non-compliant certificates can lead to **system failures**, **jeopardise operational safety** and result in **legal consequences** as well as considerable economic damage. **Therefore, a comprehensive overview of the certificate inventory is essential.**

The Solution

That is why we have developed **essendi cd** (certificate discovery). To find certificates in your infrastructure, essendi cd uses different search methods. Searches can be adapted to the respective framework conditions and enable the efficient discovery of certificates. cd displays the certificates found in a dashboard.

Thus, the current actual status can be documented. Filtering and clustering options ensure that IT administrators can **easily identify**
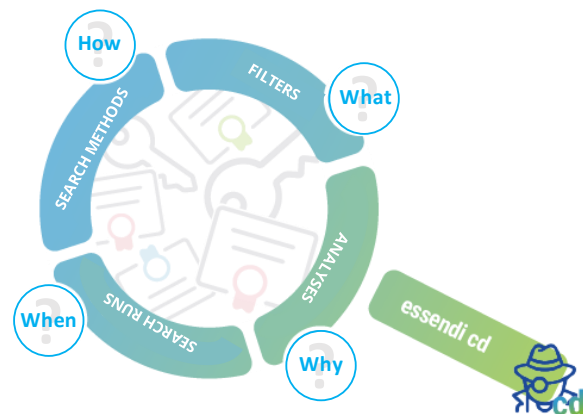
and monitor relevant certificates. This is a validation of existing certificate processes and provides an additional level of security.

The observation of the as-is situation can be repeated regularly in an automated manner. The resulting monitoring **increases the safety and the operation of your systems**.

cd can be used both independently and **in combination with essendi xc**. In combination, both applications show their comprehensive strengths.

Interaction: essendi cd and essendi xc

essendi cd integrates the certificates found into the certificate monitoring of essendi xc. It stores all information (e.g. type, owner, expiry date) in the central repository. Afterwards, xc takes over the automated management and renewal of the certificates.

The search is repeated automatically by essendi cd at regular intervals. In addition, the existing xc repository can be validated. This can be relevant in the area of **ISO 27001**.

Would you like to learn more or get to know the xc product family in a live demo? We will be happy to advise you.

Webserver
(Windows, Linux, etc.)

Public Cloud

Win./Linux Client

Scan Certificate

essendi cd

Central scanning component:
Collects certificates and prepares information
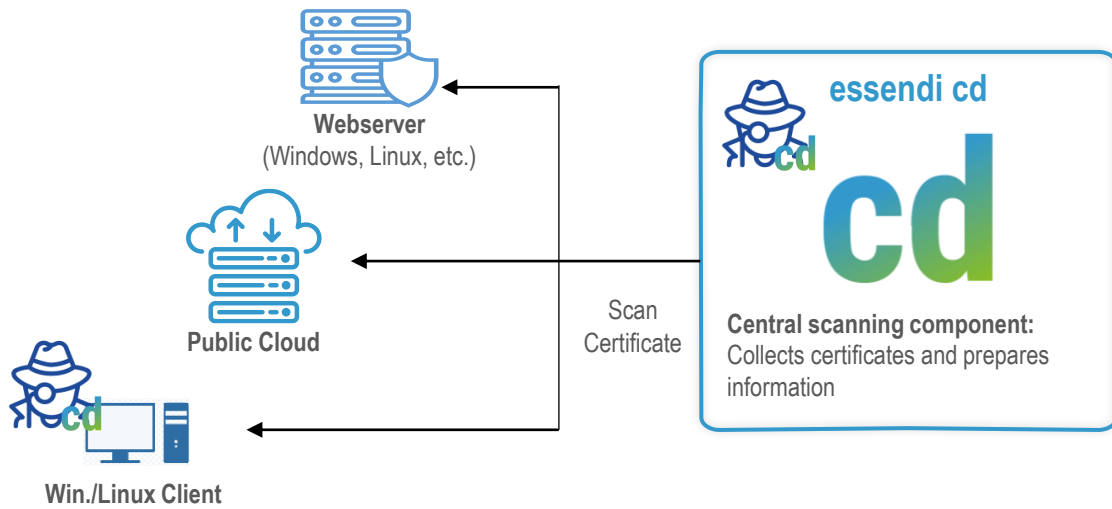
essendi cd
Makes your data centre more transparent.

Processes	**Once set up, the processes run automatically.** Simple onboarding, ready-to-go in just a few steps. Certificates can be automatically searched for and monitored around the clock.
Usability	**Easy handling and use of the application.** Standardised and automated, requires little detailed knowledge of certificates.
Crypto-Agility	**Fast action capability and transparency, e.g. in case of data changes to certificates and key lengths,** compromise of keys or CA (important with regard to ISO 27001). Important basis for a later transformation towards post-quantum cryptography.
Price / Performance	Fair subscription model or software purchase. In both cases, you benefit from continuous maintenance and further development through regular releases. Individual adaptations to company environments and requirements are possible if required.
Security	**Increased security in IT operations through automation**. Automatic search for certificates, alerting and monitoring prevent unplanned expiry of certificates and thus system failures. No data storage in the cloud.
Significant savings in legal costs	Use out of the box **Staff capacities for certificate search and identification are released** for other tasks or do not have to be built up. Downtimes are reduced.

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