SECARDEO

PKI Automation

Distributing and managing certificates
from any CA for all your devices

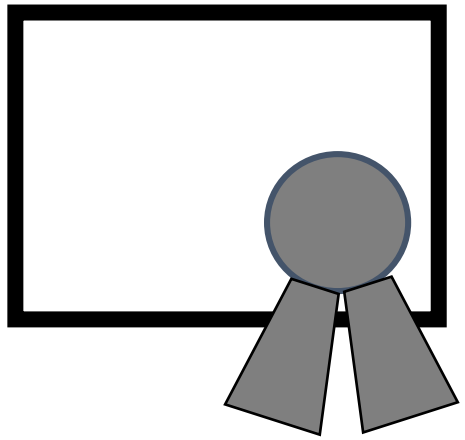
Certificates – for what?

SECARDEO

What appli-cations use PKI credentials in your organization?*

81%
SSL/TLS

54%
S/MIME



75%
VPN

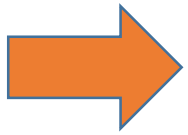
58%
802.1x

*Ponemon Research 2016

Certificates – from where?

SECARDEO

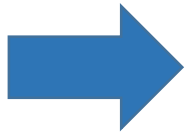
Public CA



SSL/TLS

S/MIME

Private CA



VPN

802.1x

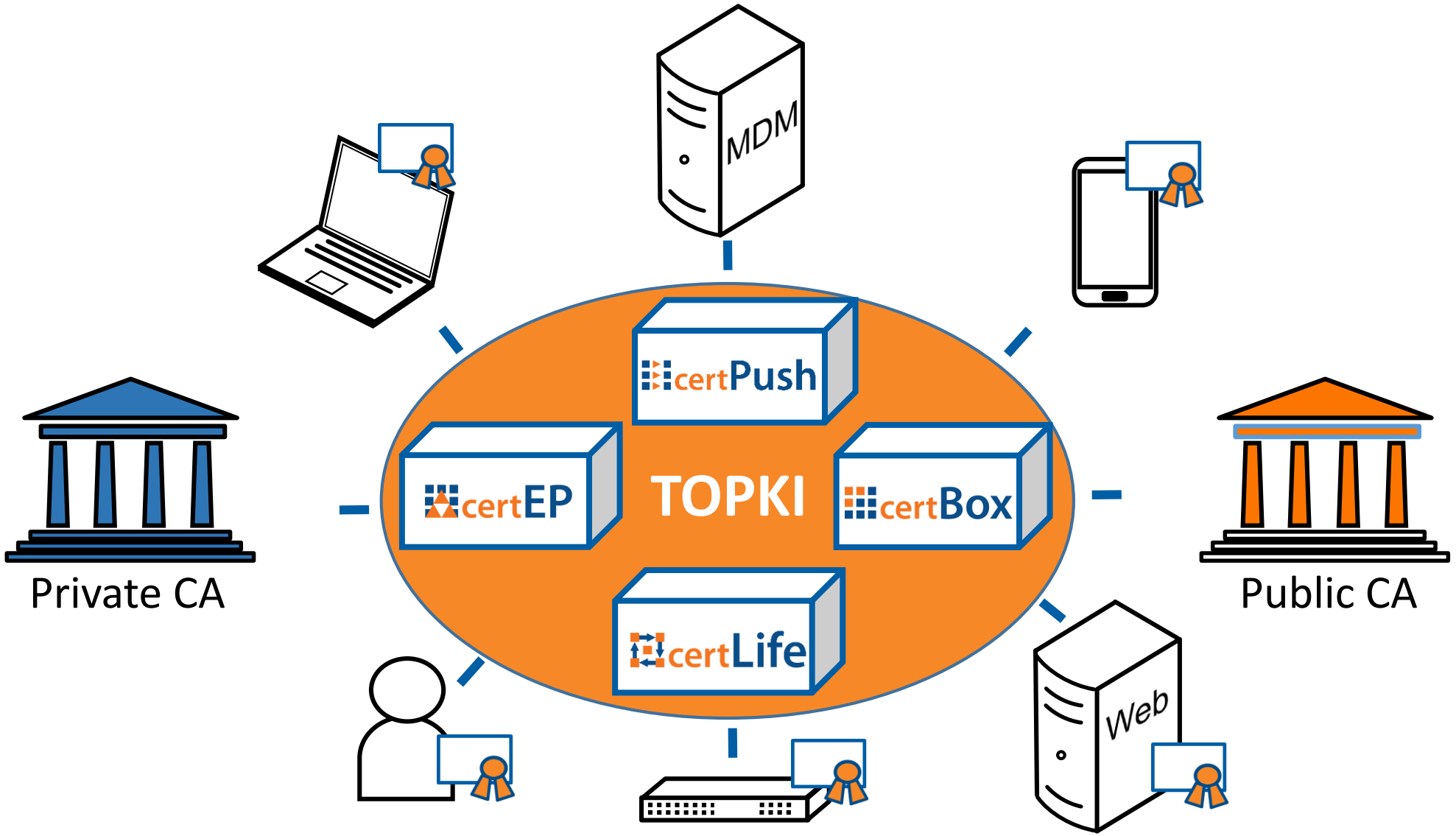
CA Options

SECARDEO

- Microsoft CA (AD CS)
  - Integrated component of Windows Server
  - Autoenrollment
  - Pupular & simple
- PKI Products
  - Proprietary, expensive
- Open Source
  - Control over the code
  - No AD integration, no autoenrollment
- Managed PKI
  - Service for a calculable price
  - Trust in CA Provider required
  - AD integration & autoenrollment needed

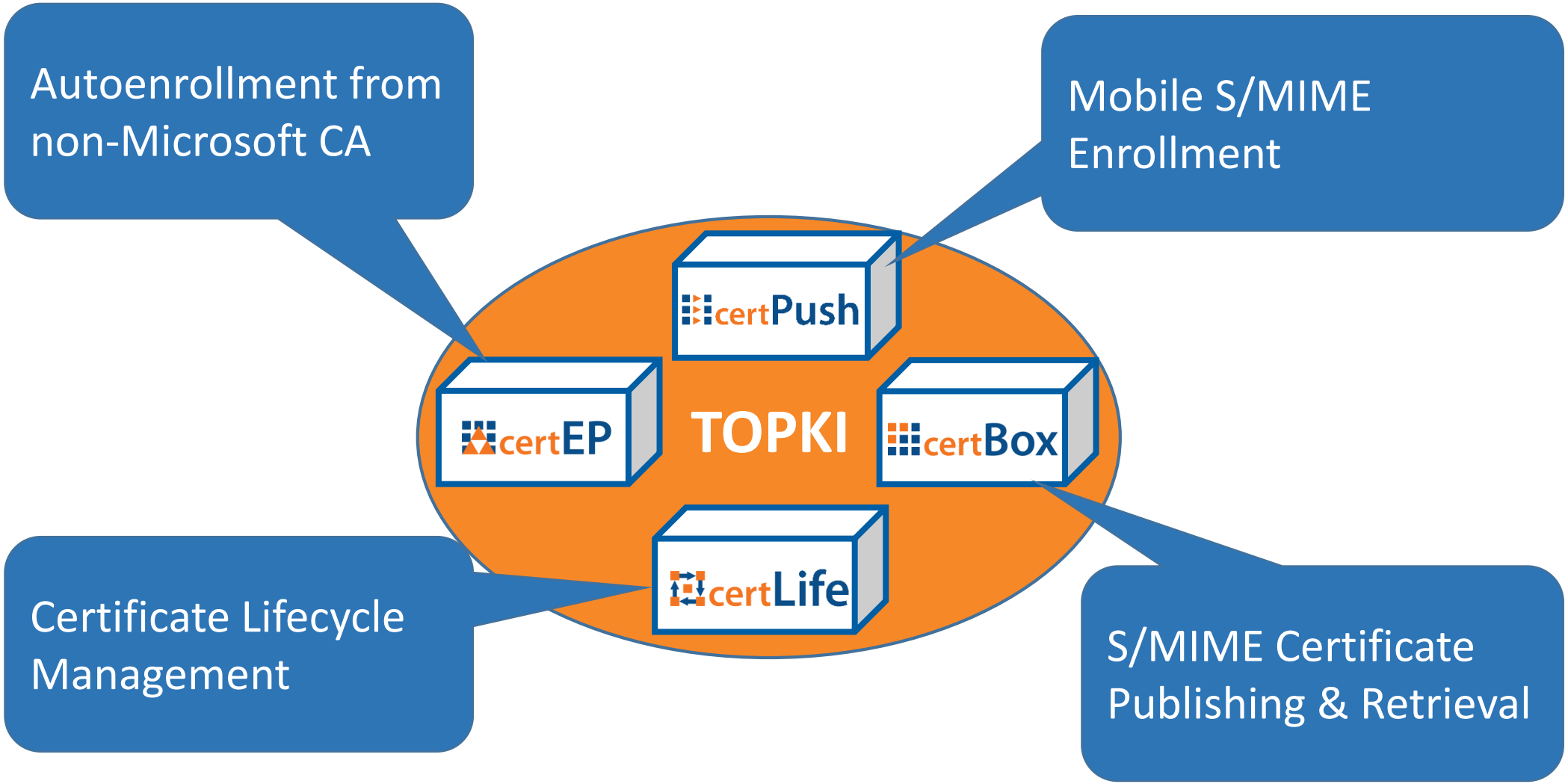
Distribute & manage certificates

SECARDEO



TOPKI components

SECARDEO



Windows Autoenrollment

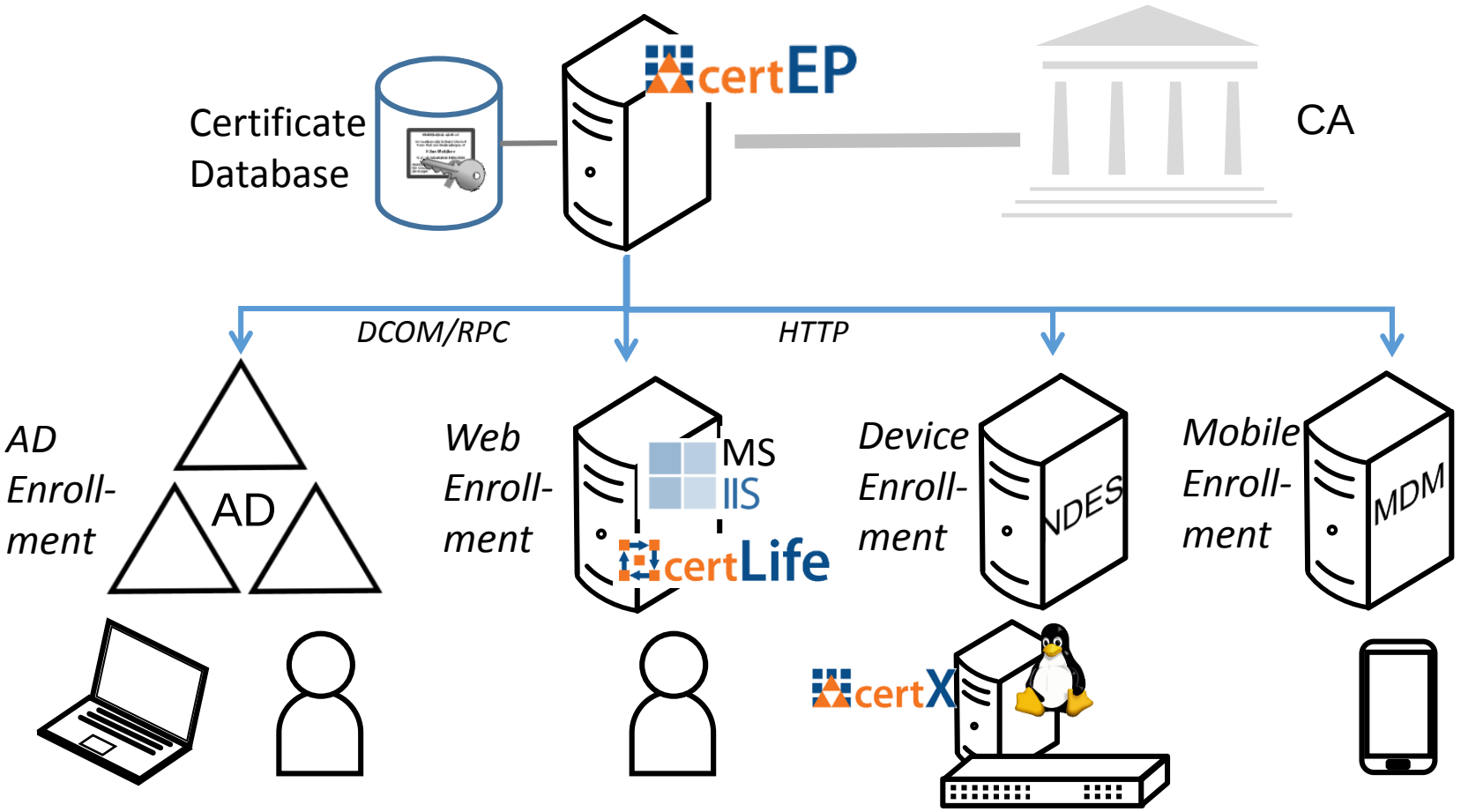
SECARDEO

- Requirement: Use a non-Microsoft CA for a Windows domain, e.g.
  - Internal OpenSource CA for device certificates
  - Public CA for trusted S/MIME certificates
- Solution: Certificate Enrollment Proxy
- Acts like a Windows Enterprise CA
- Seamless Active Directory integration
- Autoenrollment
- Autorevocation
- Key Archival & Recovery

certEP

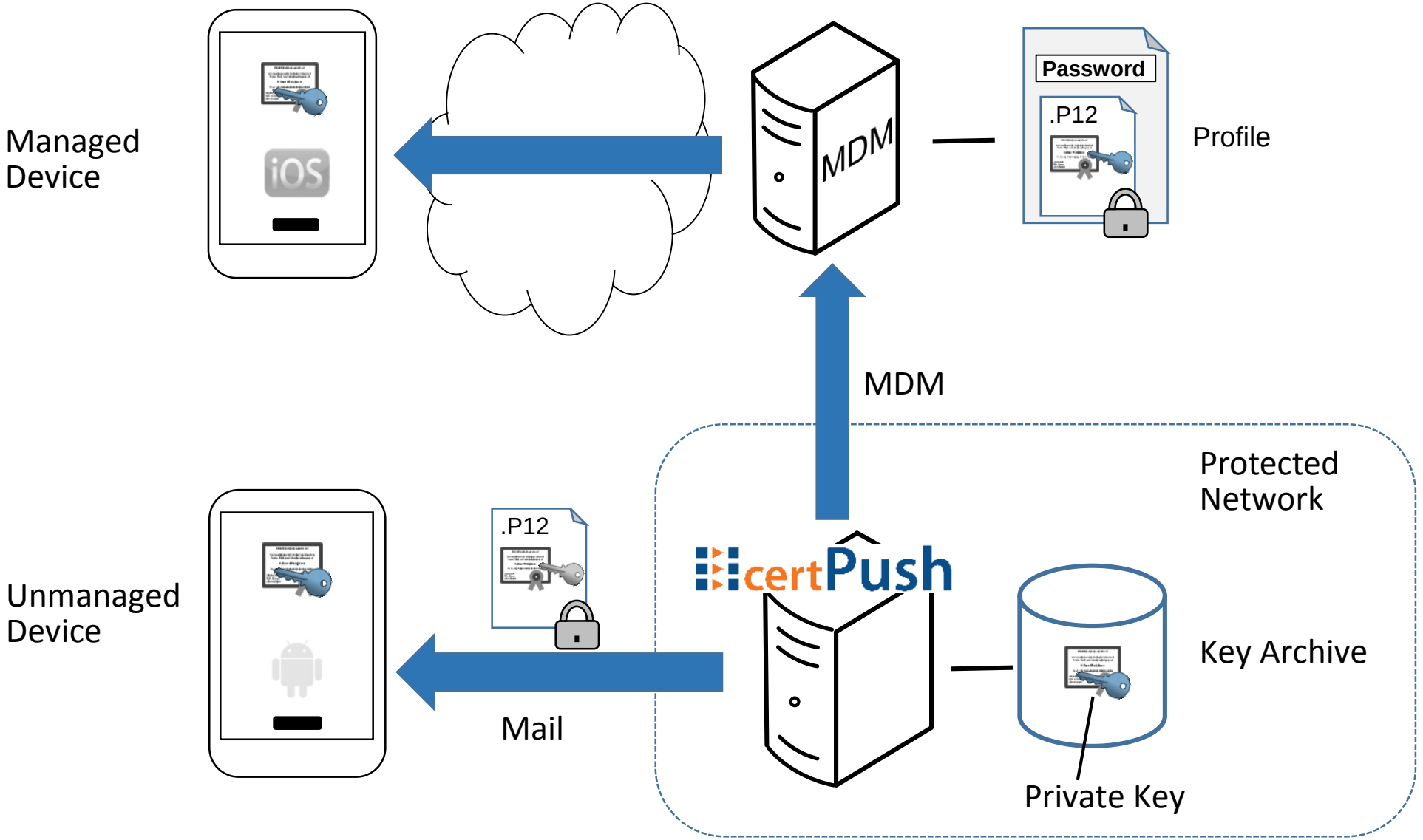
Enrollment scenarios

SECARDEO



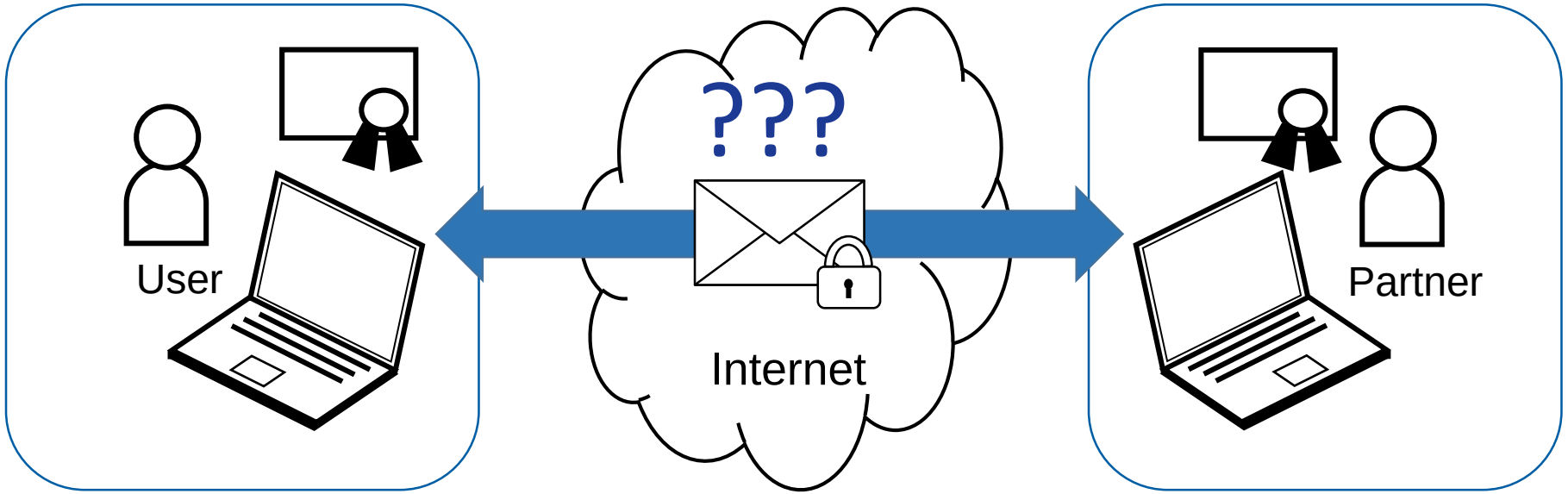
Mobile S/MIME Enrollment

SECARDEO



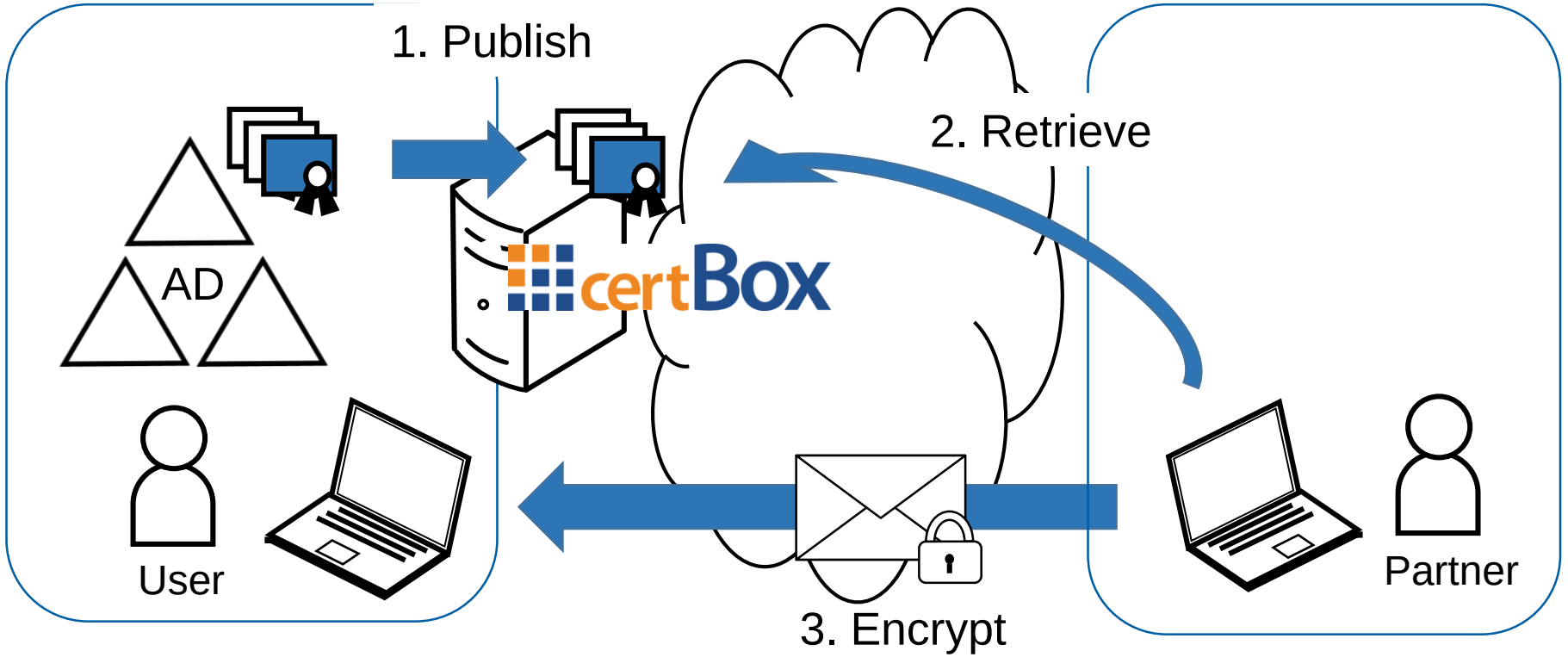
End-to-end encryption

SECARDEO



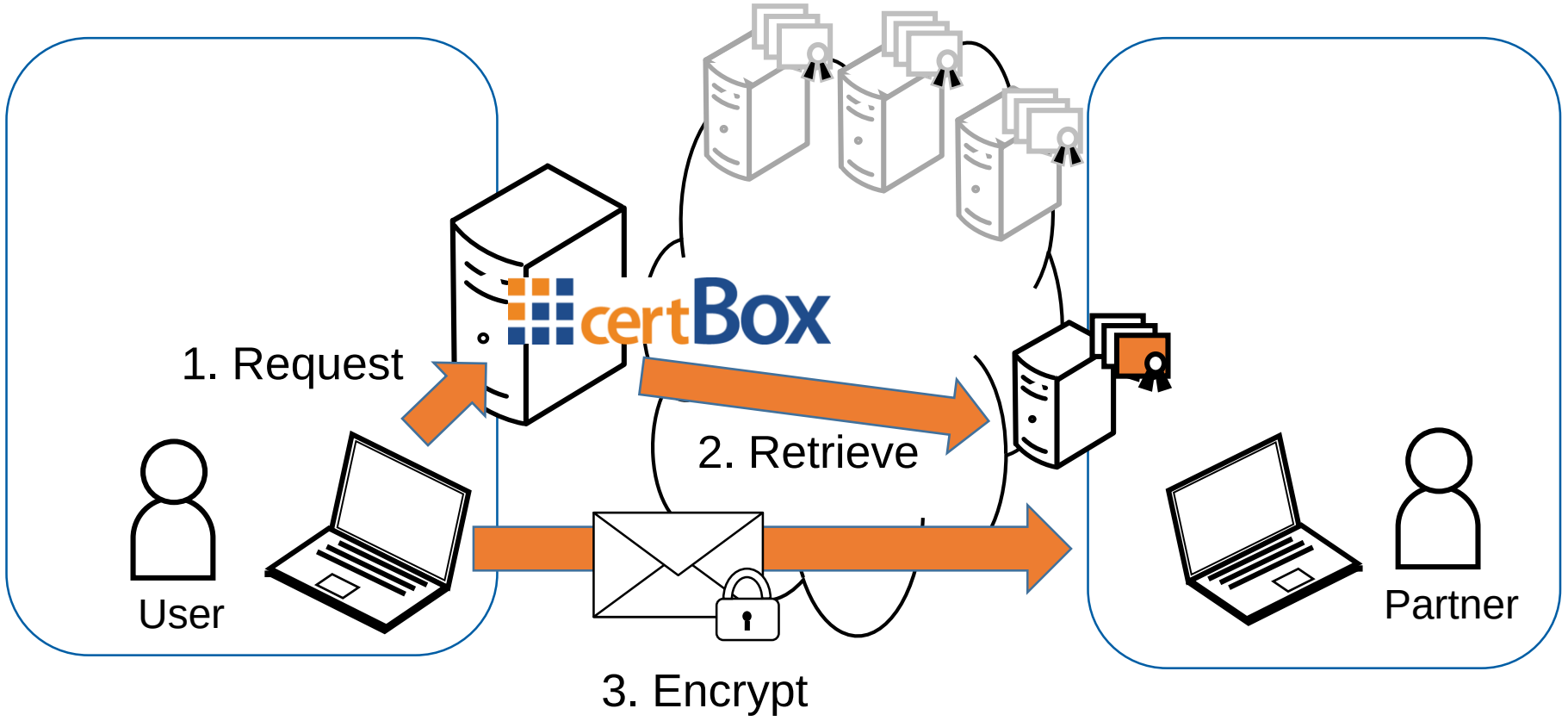
Incoming e2e encryption

SECARDEO



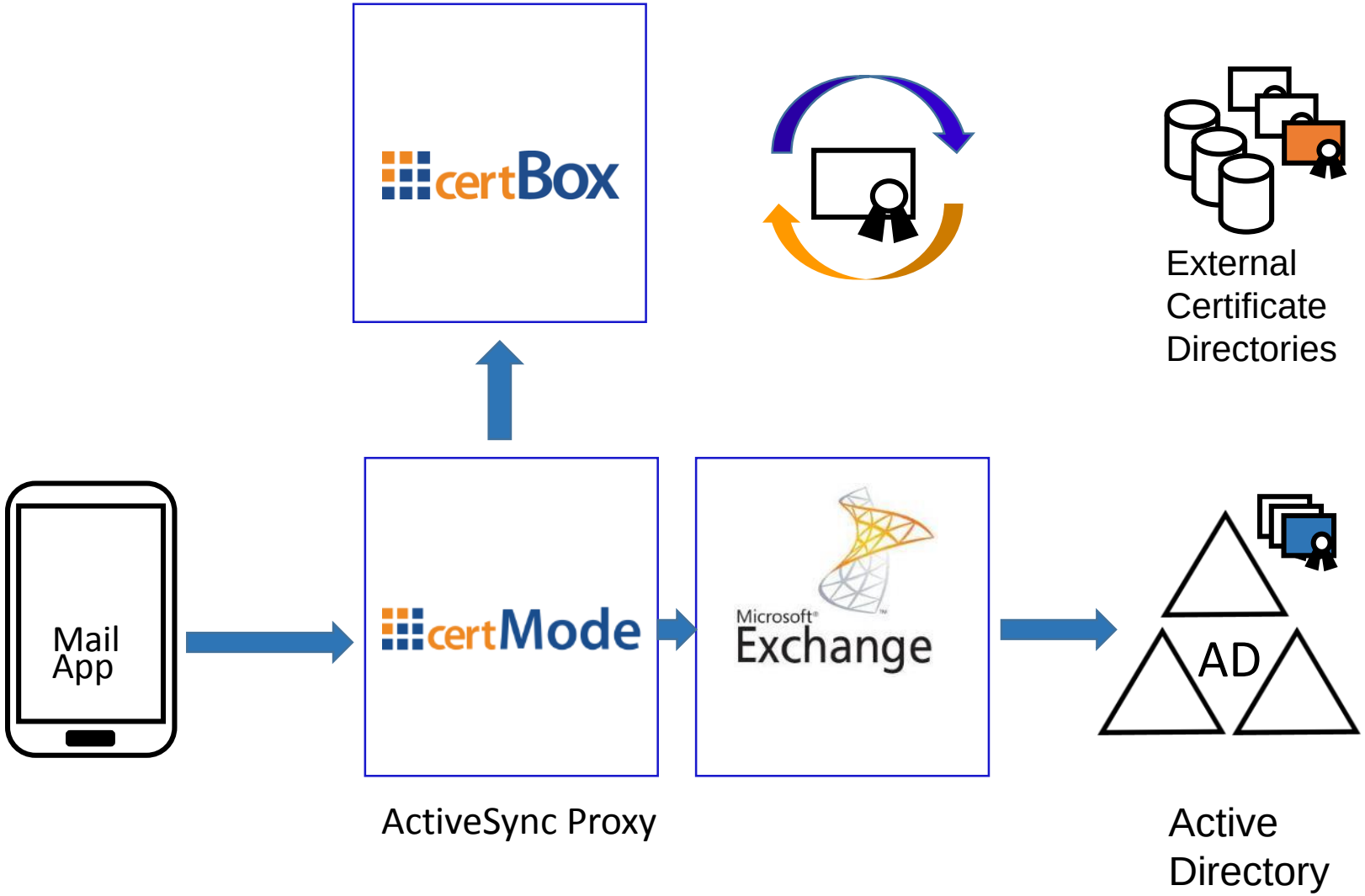
Outgoing e2e encryption

SECARDEO



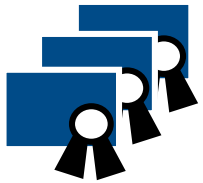
Mobile e2e encryption

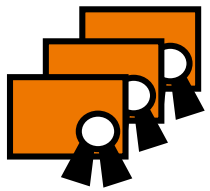
SECARDEO



Certificate Lifecycle Management

SECARDEO





Web App for:

- Role based certificate lifecycle management
- Certificate operations
- Meta data
- User & administrator self-services

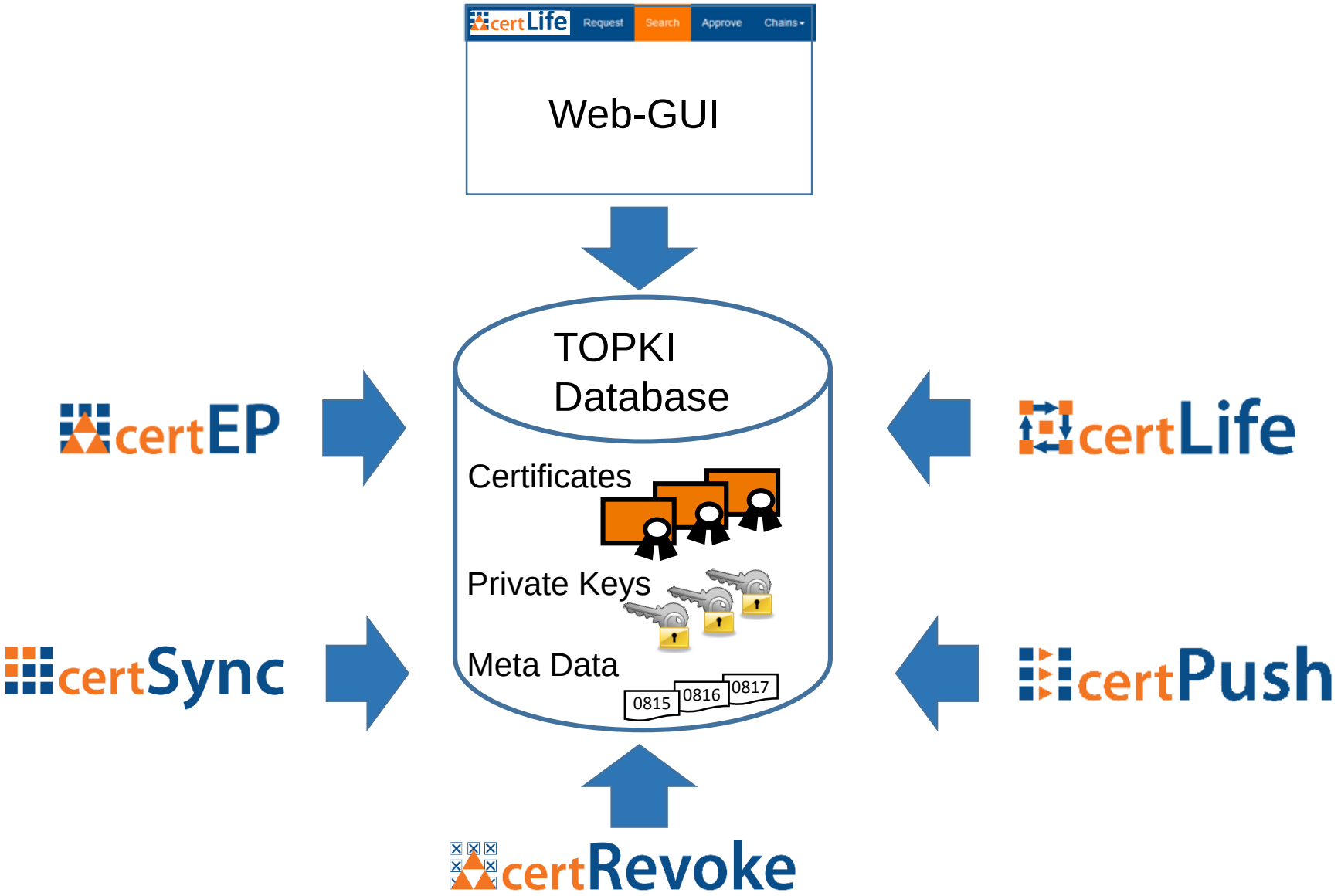
Services for:

- Reporting/Statistics
- Notifications
- Central key-pair generation

certLife

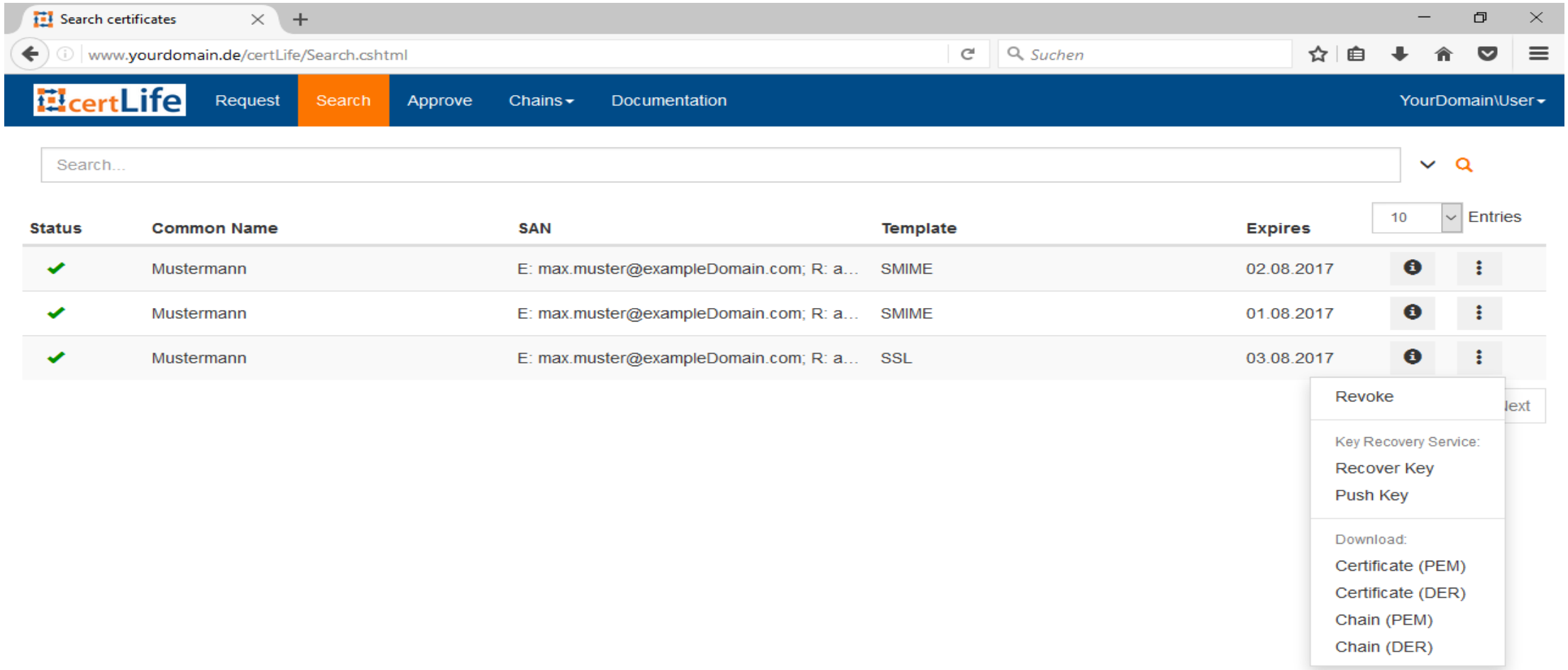
Certificate database

SECARDEO



Manage certificates with browser

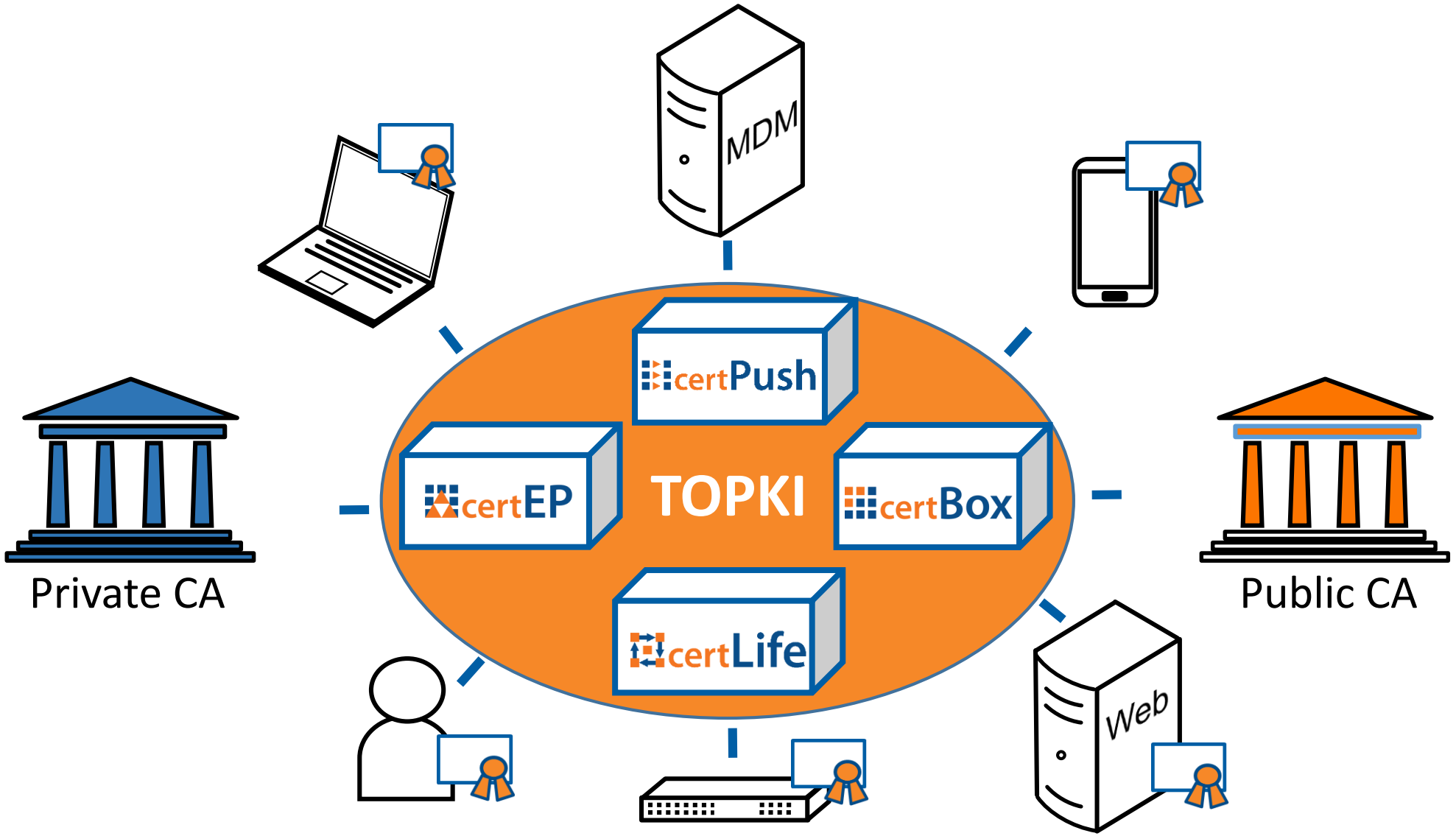
SECARDEO



certLife

PKI automation with TOPKI

SECARDEO




Thank you for your attention!