Entrust Datacard™

SAFELAYER

Remote signing in practice,

experience from abroad

We are Entrust Datacard

We provide Secure eID solutions based in PKI technology for authentication and electronic signing

Entrust Datacard™

SAFELAYER

Protect
digital identities

Authenticate
users and devices

Electronic signature
web services

Secure
online transactions

Entrust Datacard

sms|passcode

SAFELAYER

trustis®

(N)CIPHER

- Strategy based on interpretation of market trends

- 4 new companies added over past 2 years

- Other acquisitions in pipeline to ensure we become the partner of choice for Secure Identity Issuance and Authentication solutions

- **Convergence of Physical and Digital identity** will continue to drive business forwards as we build the total solution required to provide the secure token to their users (citizens, bank customers…) and the necessary security solution to the project owner (government, bank) so all parties can trust that only entitled users may transact with the system and that all transactions will be secure.

Government References

Enterprise References

Quality

Standards

Certifications / Homogations

Standardization forms

European Committee for Standardization

- The CEN/TC 224/WG17 workgroup is heading work on technical specification for server signing requirements
  - Participating in the CEN/EN 419 241 series.

CLOUD SIGNATURE CONSORTIUM
Remote Signing Protocol

- Group of industry and academic organizations committed to standardize protocols for cloud-based digital signatures
  - Participates as a co-founder.

ETSI

- ETSI (European Telecommunications Standards Institute)
  - Participating in the Electronic Signatures and Infrastructures technical committee.

Cloud Signature Consortium

Last year, eleven new members joined the CSC, including DocuSign

In December 2018 the CSC published V1 of the specification for the API to generate cloud signatures

In March 2019, ETSI raised the CSC specification into a standard.

Identity cards

- Secure identities based on Public Key Infrastructure (PKI)

  - National eIDs and ePassports

  - eIDs provided by Trust Services Providers

  - Corporate eID cards for employers/providers

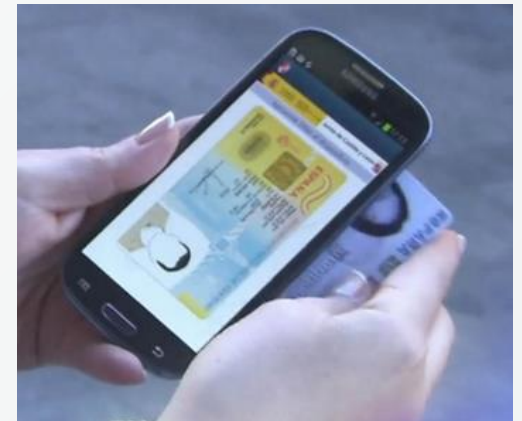- Strong authentication, electronic signature and document encryption

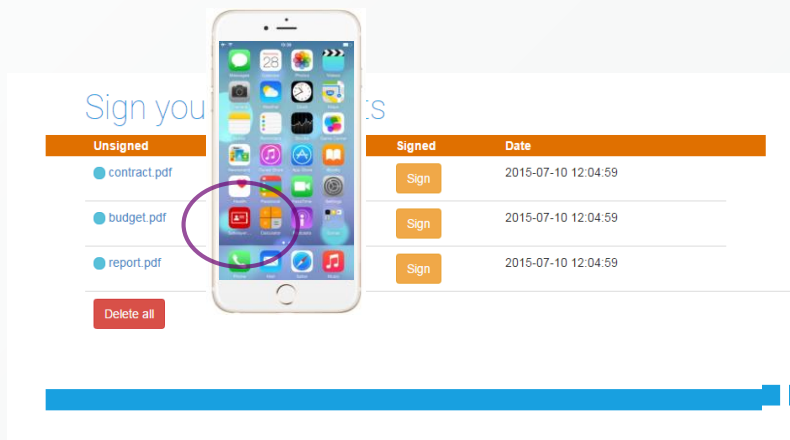# Use case - CITIZEN IDENTIFICATION IN SPAIN

- Home Office - Citizen Identification Card (DNI-e)

  - eID card with contact chip for PKI authentication and electronic signature

  - The new DNI 3.0 incorporates NFC (2015)

  - Issued: More than 60M cards

- Ministry of Finance and Public Administration – Spanish National Mint (FNMT) - CERES (Spanish Certification)

  - Certification services for public administrations, private companies and citizens

  - About 7,5M active certificates

  - New service CERES Cloud ID for public employees announced (2018)

Mobile and cloud Identity

Strong authentication

- Cryptographic key/s in the smartphone

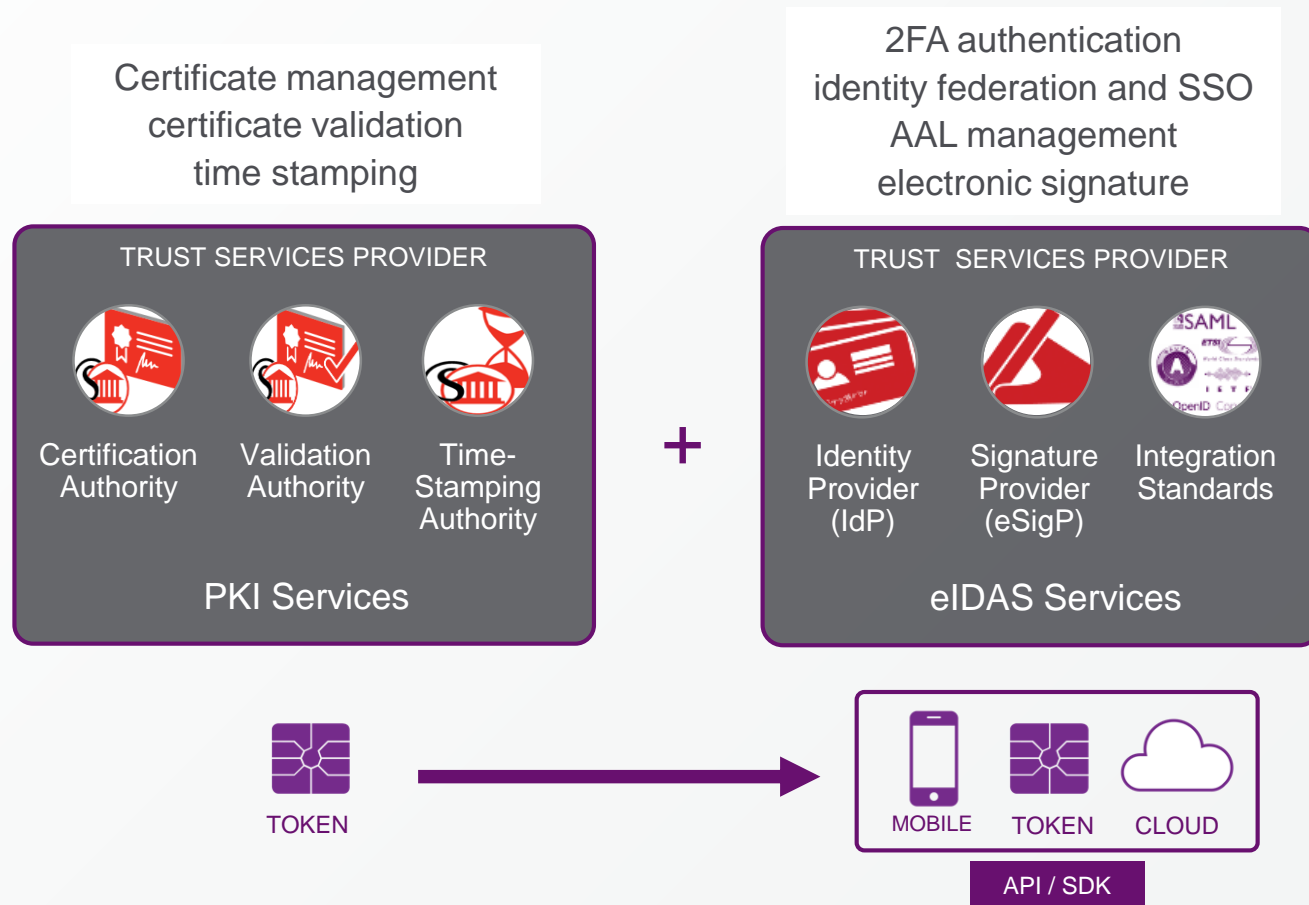- Strong authentication, basic e-signature

- Secure and convenient

Remote Signature

- Cryptographic key/s protected by one HSM

- Electronic Signature when combined with strong auth
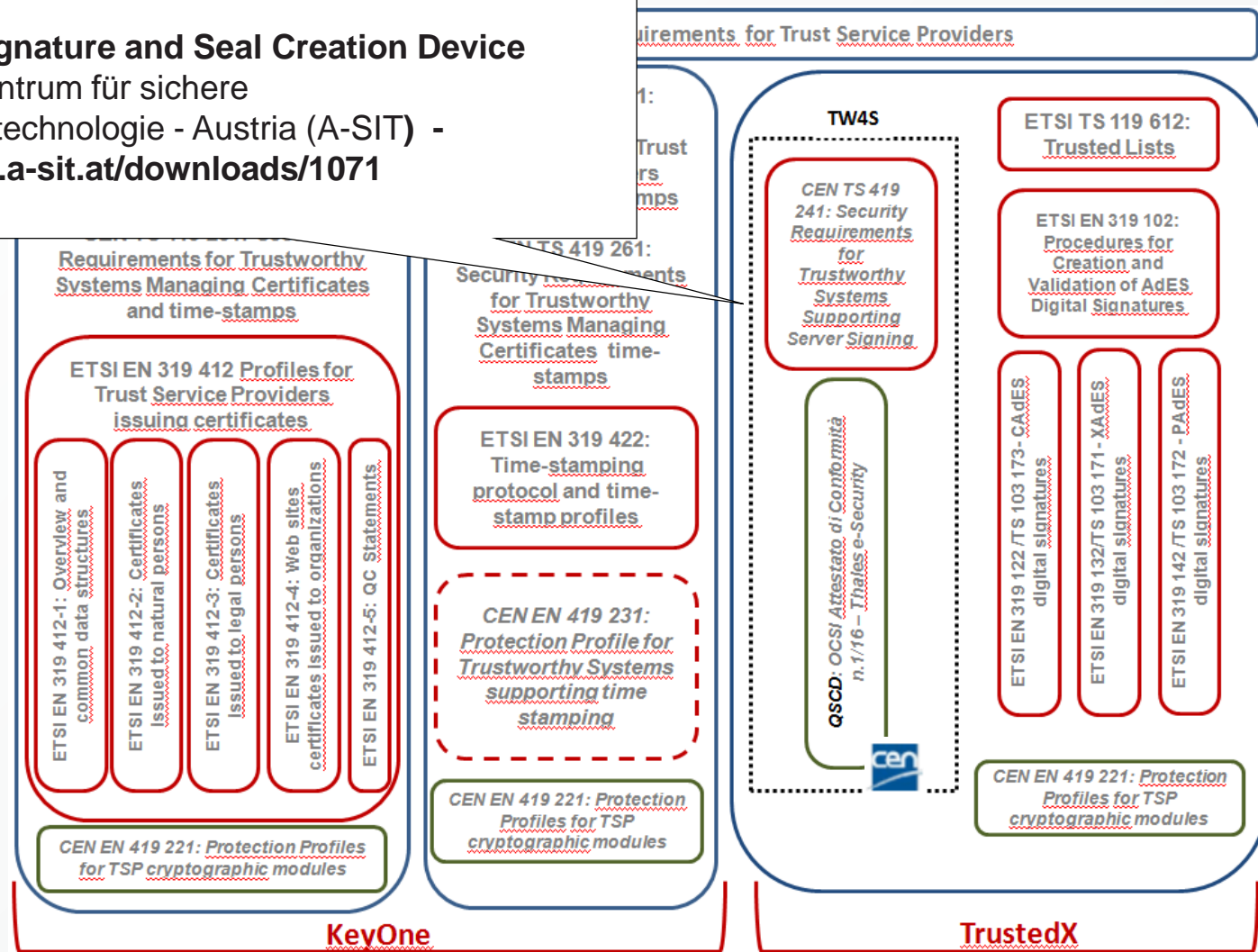
- Secure and convenient

Products portfolio
Products Ecosystem

Certificate management
certificate validation
time stamping

2FA authentication
identity federation and SSO
AAL management
electronic signature

TRUST SERVICES PROVIDER

Certification Authority

Validation Authority

Time-Stamping Authority

PKI Services

+

TRUST SERVICES PROVIDER

Identity Provider (IdP)

Signature Provider (eSigP)

Integration Standards

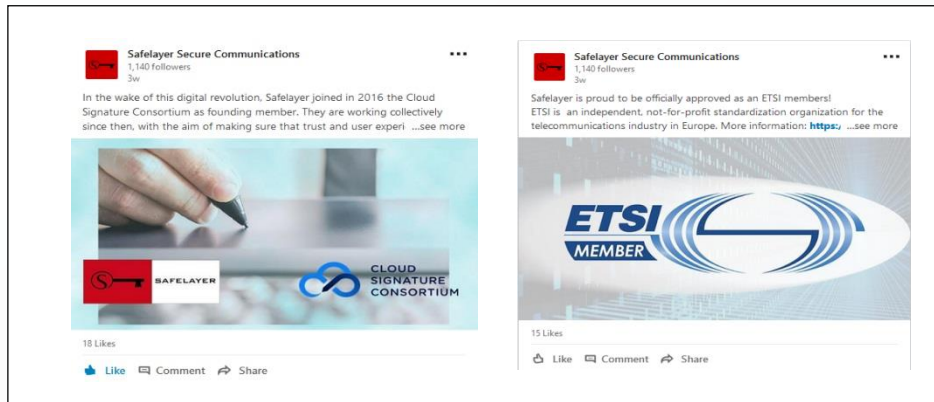eIDAS Services

TOKEN

MOBILE   TOKEN   CLOUD

API / SDK

Standardization and compliance under eIDAS

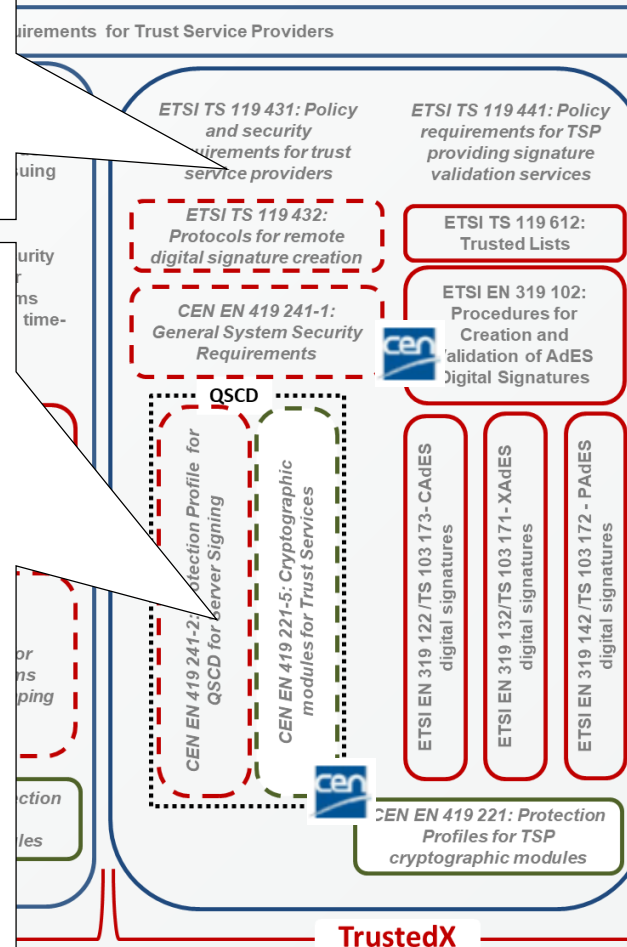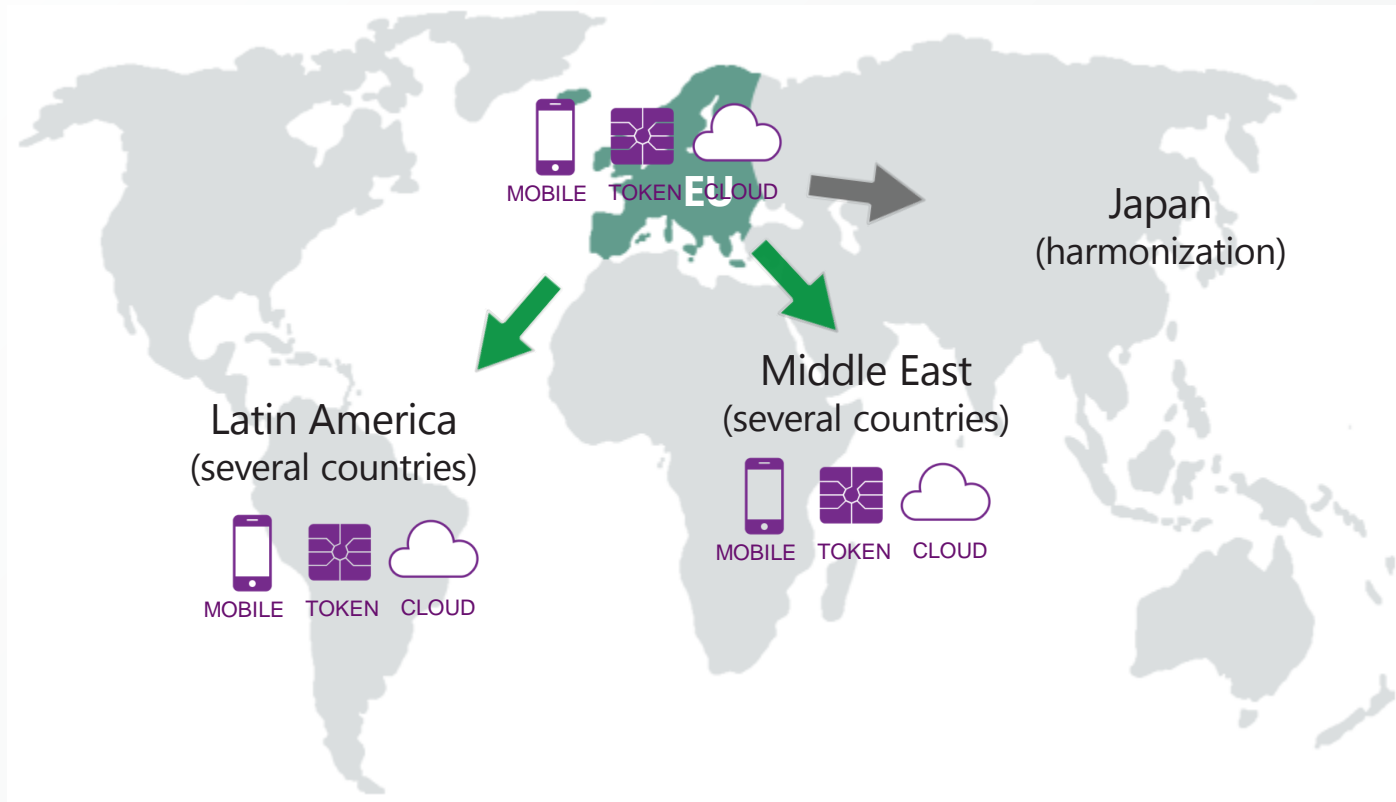**Qualified Signature and Seal Creation Device (QSCD) -** Zentrum für sichere Informationstechnologie - Austria (A-SIT**) - https://www.a-sit.at/downloads/1071**

Safelayer Secure Communications
1,140 followers
3w

In the wake of this digital revolution, Safelayer joined in 2016 the Cloud Signature Consortium as founding member. They are working collectively since then, with the aim of making sure that trust and user experi ...see more

CLOUD SIGNATURE CONSORTIUM

SAFELAYER

18 Likes

Like   Comment   Share

Safelayer Secure Communications
1,140 followers
3w

Safelayer is proud to be officially approved as an ETSI members! ETSI is an independent, not-for-profit standardization organization for the telecommunications industry in Europe. More information: https: ...see more

ETSI MEMBER

15 Likes

Like   Comment   Share

TrustedX will adequate to CEN EN 419 241-1 and implement CEN EN 419 241-2. This standards will require a CEN EN 419 221-5 compliant HSM

The CEN EN 419 241-2 part will be **CC EAL 4+** certified by the Spanish National Cryptographic Centre (CCN)

Safelayer Secure Communications
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ETSI MEMBER

15 Likes

Like   Comment   Share

...irements for Trust Service Providers

ETSI TS 119 431: Policy and security requirements for trust service providers

ETSI TS 119 441: Policy requirements for TSP providing signature validation services

ETSI TS 119 432: Protocols for remote digital signature creation

ETSI TS 119 612: Trusted Lists

CEN EN 419 241-1: General System Security Requirements

ETSI EN 319 102: Procedures for Creation and Validation of AdES Digital Signatures

QSCD

CEN EN 419 241-2: Protection Profile for QSCD for Server Signing

CEN EN 419 221-5: Cryptographic modules for Trust Services

ETSI EN 319 122 /TS 103 173- CAdES digital signatures

ETSI EN 319 132/TS 103 171- XAdES digital signatures

ETSI EN 319 142 /TS 103 172 - PAdES digital signatures

CEN EN 419 221: Protection Profiles for TSP cryptographic modules

TrustedX

Safelayer experience

Countries outside EU interested in CEN/ETSI standardization under eIDAS

Source: Safelayer

Use cases - Success stories

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- Abitab (UY)
- SmartDubai (AE)
- LVRTC (LV)
- CVUT (CZ)
- ACIN+GTS (PT)
- CERES (ES)
- Izenpe (ES)

Use case – CERES Cloud ID

Real Casa de la Moneda
Fábrica Nacional
de Moneda y Timbre

CERES Cloud ID   QUÉ ES   CÓMO FUNCIONA   POR QUÉ   VENTAJAS   CONTACTO

El servicio de firma ...n la nube ...Nacional ...Timbre ...llama:

ID

The cloud signature service of the Spanish National Mint (FNMT-RCM) is CERES Cloud ID

SABER MÁS

Ref. http://www.realcasadelamoneda.es/ceres-cloud-id,
https://youtu.be/Xm_9C9j9IG8

Use Case - LVRTC

- Enrollment options:

  - Online using a recognized eID + additional factor (sms)

  - Online using a other eIDs + additional factor (courier)

  - Face-to-face enrollment if not have recognized eID

- Agreements with Government / Banking to recognize external eIDs

https://www.eparaksts.lv/en/

Use case - IZENPE

- Provides Cloud Signing using the following credentials

  - Citizen ID number

  - One time password based on a grid card (B@kQ card) / Mobile identification using citizen smartphone

  - A key/certificate issued by Izenpe in a centralized repository

- More than100,000 citizens/ 500,000 transactions monthly/ 50 service providers

- Expansion to Public Employers that use Desktop applications (i.e. Adobe Acrobat)

https://www.izenpe.eus/bak/

Use Case -SmartDubai

Ref.
- https://smartdubai.ae/newsroom/news-details/2018/10/17/smart-dubai-and-tra-launch-national-digital-identity#listingPage=1&tab=event
- https://itunes.apple.com/au/app/uae-pass/id1377158818?mt=8

Use case - ACIN

- Identification and signature services for Public Employees (Health and Public Contract)

- Expected to be recognized in EU TLS as QS Provider ending 2018

- Enrollment processes based on credentials of previous processes. Mainly Portuguese Electronic National ID

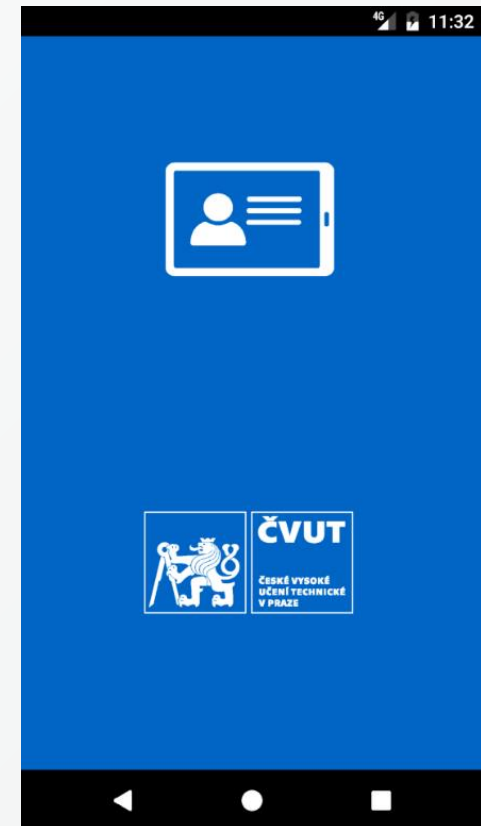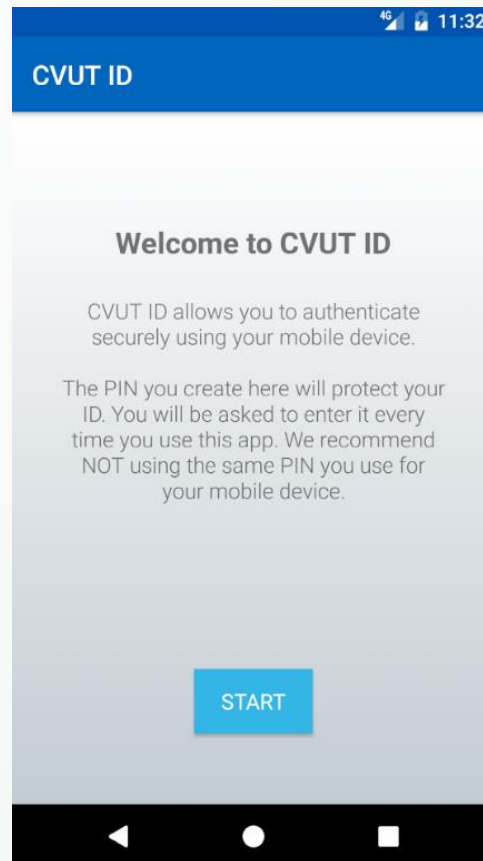- Mobile ID registration:
  https://www.globaltrustedsign.com/public_c/mobile

CZECH TECHNICAL UNIVERSITY

- Mobile Identification and RSS Services for Students and Staff in CTU

- Enrollment processes based on recognized Czech and Internal CTU Credentials

- Integration with External TSP in Czech

Safelayer demo portal -https://demos.safelayer.com/en/

Safelayer Partners Network

You are a consultancy firm, an integrator or a technological industry leader.

You want to empower your business integrating complete and scalable security solutions.

Our certified PKI and Trust services platforms are made for you.

Join Safelayer VAR's network and enhance your value proposition. Become a leader in digital trust and propel your business to new heights!

To learn more and become a Safelayer partner, visit

us partners ons:

gmv

fira

sopra

SAFELAYER

Cybersecurity & Digital Identity

- 2FA authentication
- Cloud signing
- eIDAS and PSD2 compliant
- PKI

Building digital trust since 1999

NIST   ETSI   ITU-T   I E T F

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Mobile ID Solutions

See how it all works at our identity services demo portal.

Available on the App Store   Google play

Safelayer.com

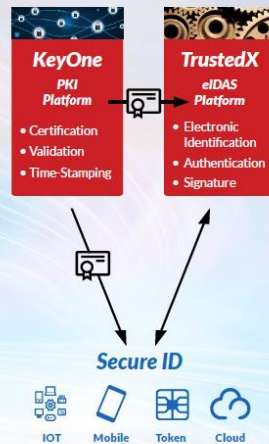
State-of-the-art security software

Digital Trust is the essence of successful e-business relationships. Providing proof of identity to transact securely in an open digital society is our asset since 1999.

Safelayer's innovative technologies, proven security solutions and commitment to excellence has earned the trust of more than a hundred leading companies, certification service providers and governments worldwide.

The company actively takes part in multiple standardization initiatives, playing a key role in mitigating risks of e-ID usurpation and data leaks.

Safelayer relies on its partners with advanced competencies in cybersecurity to deliver secure solutions for IoT, Smart Cities, SOCs and National Security.

Our international user base spans wide range of public and private sector clients

AIRBUS GROUP   acin   SK   PLUGTESTS   CLOUD SIGNATURE CONSORTIUM   NATO OTAN

Solutions Ecosystem

KeyOne
PKI Platform
- Certification
- Validation
- Time-Stamping

TrustedX
eIDAS Platform
- Electronic Identification
- Authentication
- Signature

Secure ID

IOT   Mobile   Token   Cloud

Try out demos of Safelayer's identity services:

- Banking
- Doc Signing
- Health
- APIs for Developers

1 Visit our demo site: demo.safelayer.com

2 Register.

3 Download the Mobile ID app:

Available on the App Store   Google play

Safelayer Secure Communications S.A. is a leading provider of security software for public key infrastructure (PKI), multi-factor authentication, electronic signature, mobile ID, data encryption, and the protection of electronic transactions.