



---

**mobile id and signature solutions**

# Methics Ltd Brief

## Private software company (founded 2002)

- Extensive experience in the design and implementation of MSS standards, modern Internet architectures, and security in data communications.
- CEO Jarmo Miettinen, Chairman Stefan Engel-Fleischsig
- CTO Matti Aarnio

## Specialized in mobile signature services

- MSS technology vendor for operators in several countries in EMEA & APAC regions.

## Product brands

- Kiuru® server side products
- Alauda® user side products
- Laverca open source tools



# Solution Offering

For open standard based strong authentication and document signing.

## 1. Kiuru MSSP Platform

- Core MSSP servers: HomeMSSP, AE and ME MSSP
- Connectivity APIs: SOAP, REST, RADIUS, CSC
- Service Administration: Kiuru Admin, MUTK, AETK
- Signature Activation Module: SAM
- Testing: SIGTK, WPKI simulator, SimpleCA, WebManager



## 2. Alauda Product family

- Alauda OTA - secure communication over SMS
- Alauda Front-End - App communication over IP
- Alauda mobile Applet for SIM card
  - Alauda P38 (PKI compliant sim cards) and
  - Alauda B17 (non-PKI compliant sim cards)
- Alauda mobile PKI App for smartphone - Alauda PBY



## 3. Kiuru Document Signing Service

- Provides eIDAS secure digital document signature process and long term archiving as a service.
- API (server side) and in app SDK (iphone/Android app) which provides an in-app pdf-signing API.

# Key Stakeholders + Benefits

## For the Government



- **Increased reach**
  - Anywhere: Make services accessible from distant / isolated areas and from abroad
  - Anytime: Make services accessible 24/7/365



- **Cost savings:**
  - Improve efficiency and costs

## For Mobile Operators



- **New revenue stream**
  - Monthly fee per user
  - Potential fee per transaction from service providers



- **Increased customer relevance**
  - More services offered to consumers
  - Potential churn reduction

## For Application Providers

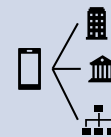


- **Easier remote selling process**
  - Remote contract signing
  - Non-repudiation and legal value

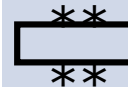


- **Increased security**
  - Universally auditable
  - Certificate Authority liable in case of fraud

## For Mobile Users



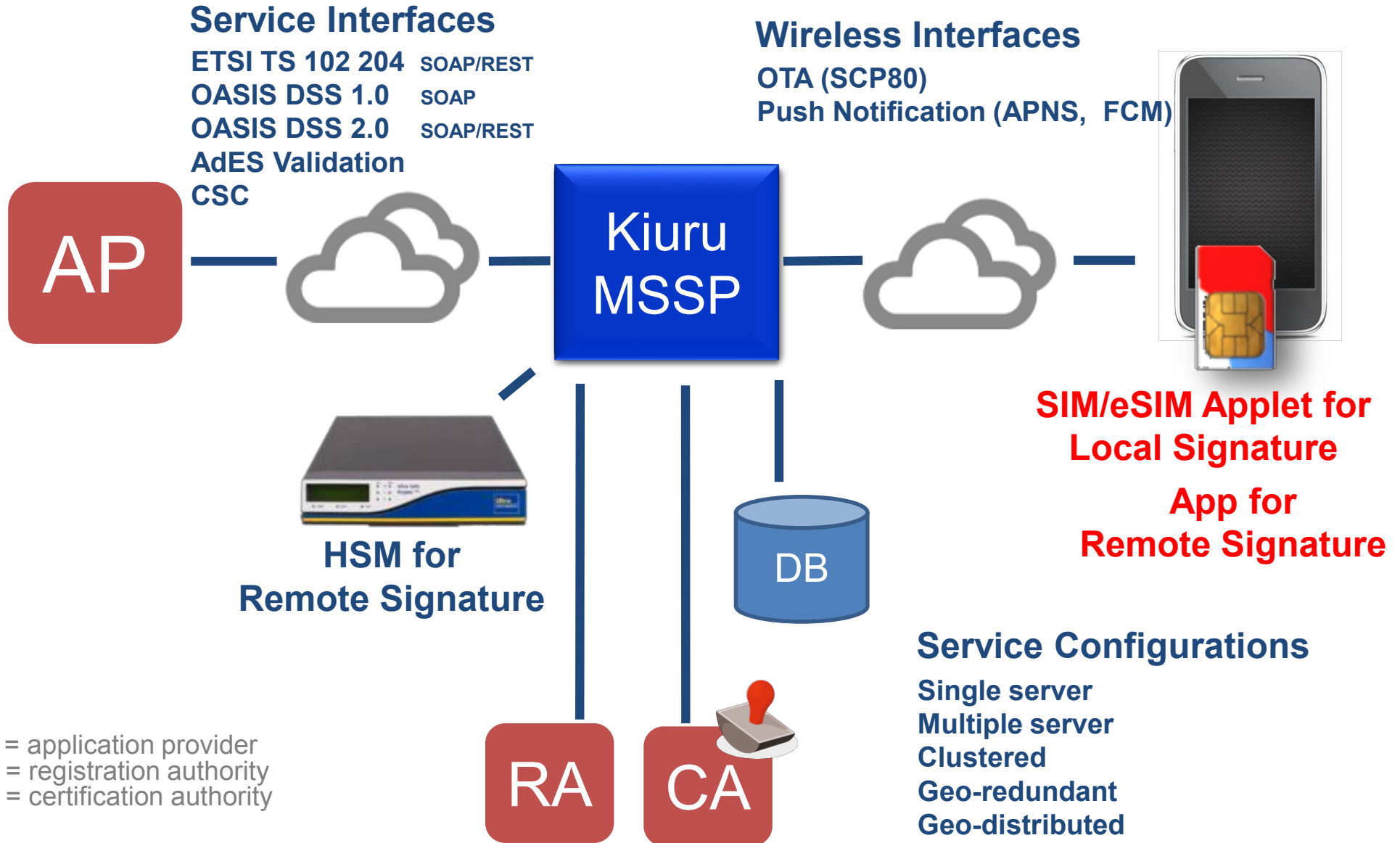
- **Access remotely to more services**
  - e.g. Voting, loan request, tax declaration, subsidy request...



- **Simplified identification:**
  - Single PIN and authentication process for various services

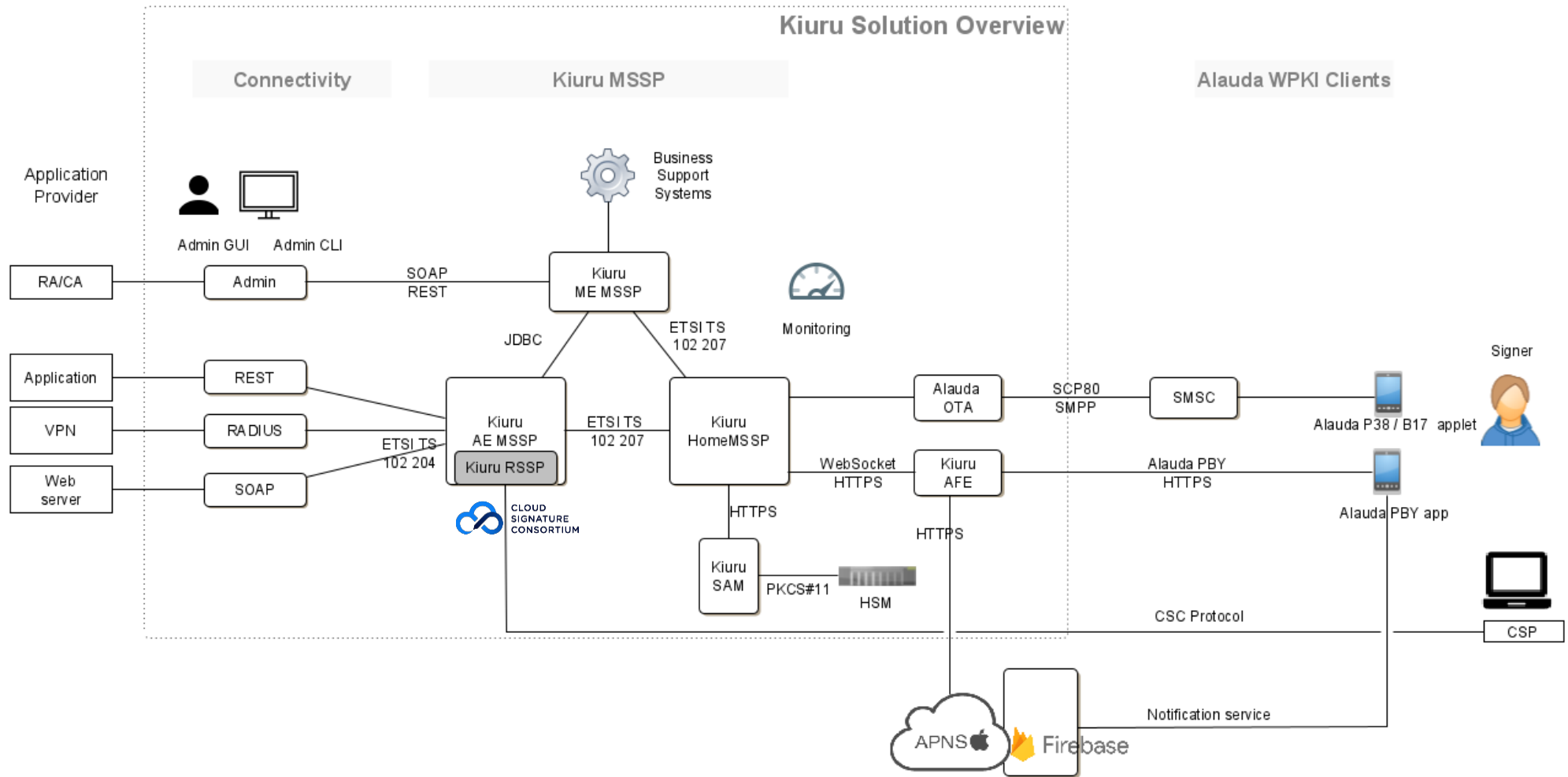
# Mobile ID Platform

Orchestrates security and services for secure mobile id.



**SIM/eSIM Applet for Local Signature**  
**App for Remote Signature**

# System Setup Overview



# Why Kiuru® and Alauda®

## 1. Mature platform

- ✓ Alauda and Kiuru products has been developed since 2002. They has undergone several major releases, so the current product is ready for various Mobile Signature Service solutions.

## 2. Broad technical capabilities

- ✓ Kiuru MSSP can be integrated in a wide variety of Mobile Signature Service technologies. Kiuru MSSP meets the Mobile Signature Service's needs, not the other way around. Kiuru MSSP can provide both Mobile ID and Mobile Connect services.

## 3. High performance and stability

- ✓ Mobile Signature Services need to be reliably available through sudden traffic bursts as well as unexpected malfunctions. Kiuru MSSP can be scaled to ensure that a Mobile Signature Service meets the expected traffic load and maintains a high level of service availability.

## 4. Standard-based

- ✓ Alauda and Kiuru products conforms to the established standards of Mobile Signature Services, cryptography and eIDAS. Kiuru SAM is eIDAS certified. The MSSP uses well-known software technologies, which makes the integration, management and customization of the service simple. Kiuru products enable mesh connectivity between multiple MSSPs.

## 5. Complete product offering

- ✓ Methics' Mobile Signature Service offering contains all parts required for the integration of applications, mobile users, security and wireless networks.

## 6. No vendor locking

- ✓ All Kiuru MSSP product interfaces are open and well documented. Kiuru MSSP can be integrated with any other standard-based MSSP products. Additionally, Alauda P38 is the only WPKI Client Applet on the market whose source code is available for licensing. Alauda's assurance level can be evaluated by a preferred third party. Any modifications to the applet can be done by a preferred third party as well.