

On-Line Banking

VPN

SKS – Secure Key Store KeyGen2 –Token Provisioning Protocol

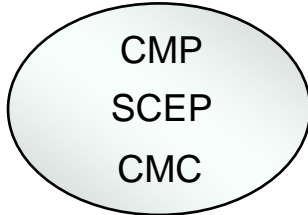
Executive Level Presentation

OPEN

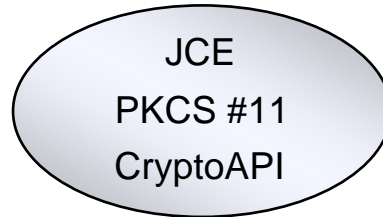
WEBPKI
• O R G

The Token Enrollment Enigma

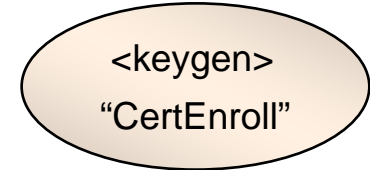
Certificate Enrollment



Cryptographic APIs



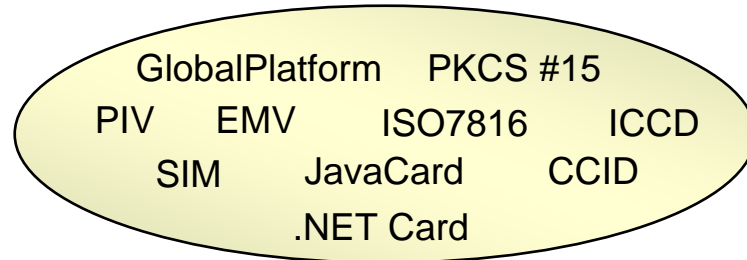
Enrollment Using Browsers



Smart Card Middleware



Smart Card Standards



Token Containers

- Mobile Devices
- Discrete Smart Cards
- Networked Devices

Other Requirements

- End-To-End Security
- PIN Deployment
- Etc.

Non-PKI Credentials

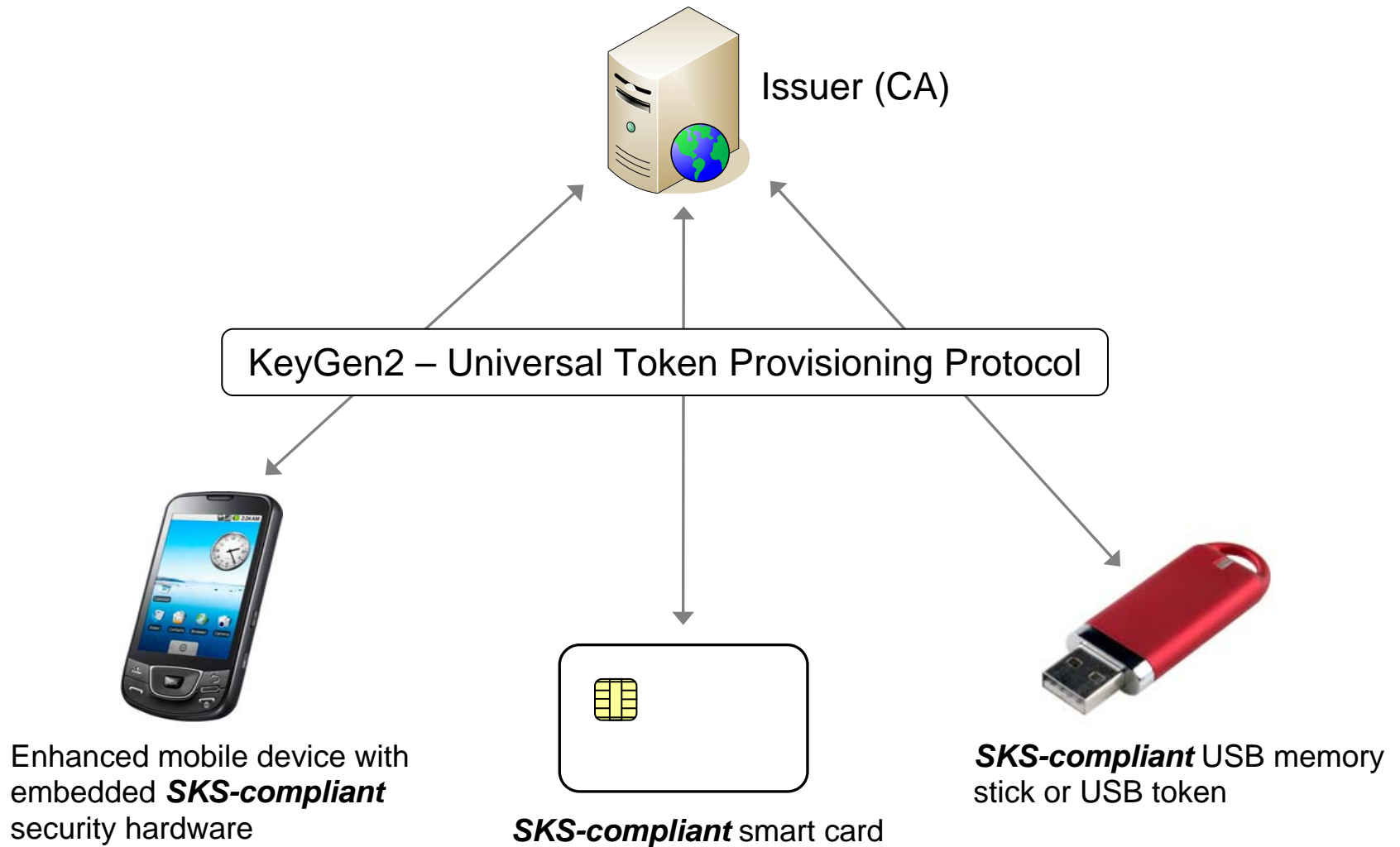
- OTP "Seeds"
- Information Cards
- Etc.

Q: How can you make this work?

A: By using tons of time, money and professional services!

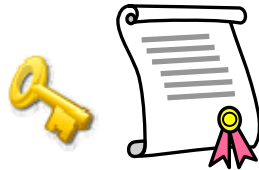
*There simply **must** be a better way...*

Unified Token Provisioning



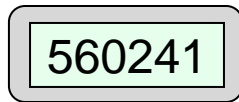
Security tokens come in many “form factors”

Universal Authentication Technology Support



PKI (Public Key Infrastructure)

The current gold standard for strong authentication



OTP (One Time Password)

Excellent alternative to static passwords for accessing moderately critical services from arbitrary computers

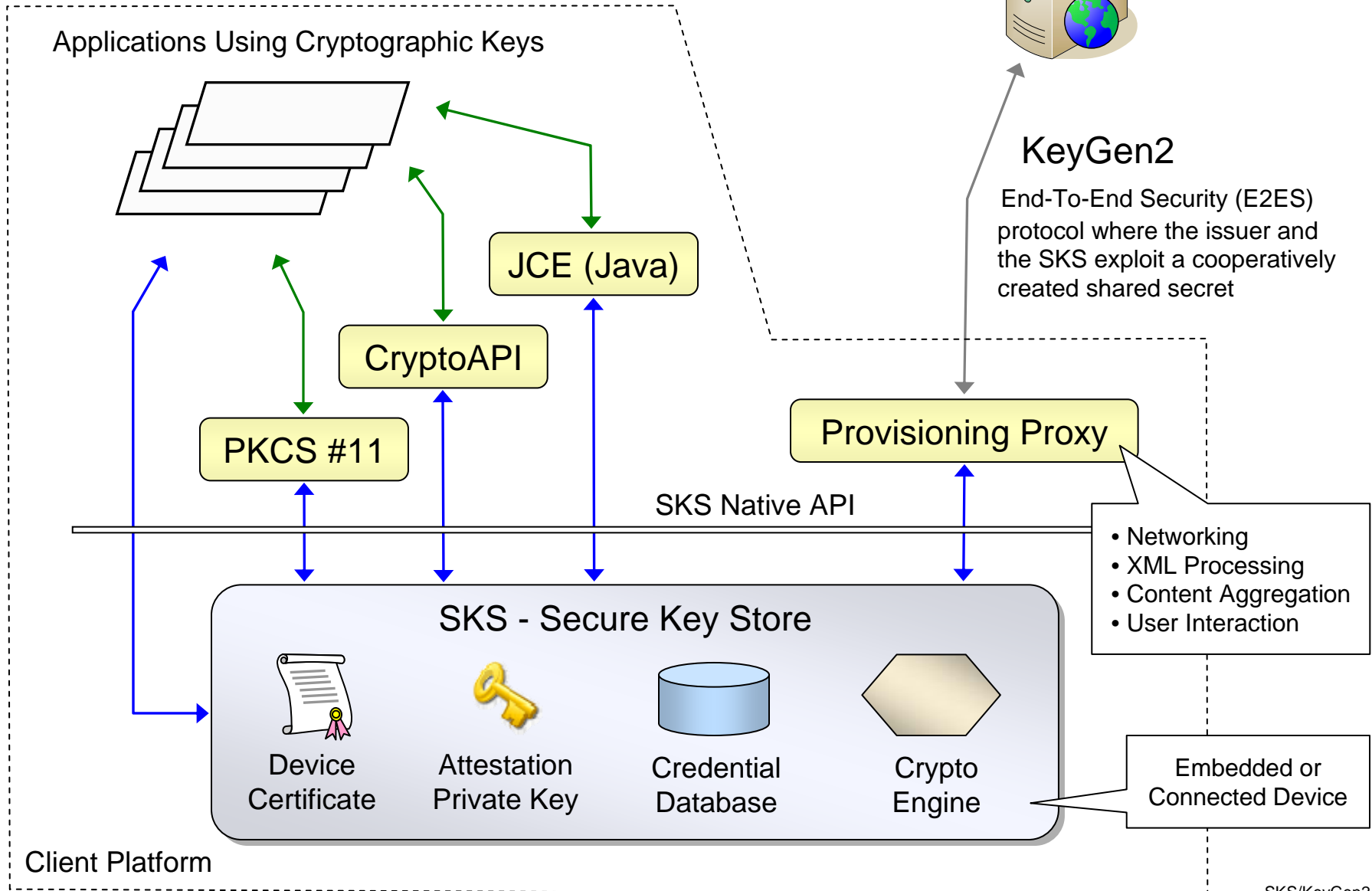


Information Cards

Powerful way dealing with federated logins by for example providing the attributes (claims) required for accessing a resource rather than the user's identity

Why select when you can have them all using a single enrollment process?

- Compatible with Existing Applications
- Dedicated Provisioning Scheme



For more information....

<http://webpki.org/auth-token-4-the-cloud.html>

The separation between authentication and payment solutions is only due to historical reasons, using SKS “a key is a key” ☺