CASSIS-Round Table

Open Software for Smart Cards Threat, Opportunity and Challenge.

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Participants

- From industry :
  - Jean-Claude Huot (OCS),
  - Ksheerabdhi Krishna (Axalto),
  - Alain Sigaud (Gemplus),

- From public organization
  - Gilles Kahn (Inria),
  - Erik Poll (Nijmegen University),
  - Jean-Jacques Quisquater (UCL).

Some rules...

- Few minutes to each participant and the discussion will be open with YOU!
- The industry and academic persons are not representing their respective organization but themselves.

Definition

- During the discussion we want to differentiate the level of "open" :
  - Specification : definition (why / who / when),
  - Reference Implementation (RI, source code),
  - Conformance to the specification :
    - compatibility and interoperability,
  - Is there Intellectual Property on the different part of the solution or when you implement the specification or use the RI?

Open s/w; Royalties... Free s/w

- Keep in mind the MatriX

	Java Card Technology	????
Spec	Public and owned by SMI	
Source/RI	Included in the license	
Test suite	Included in the license	
Royalties	Per cards	

Other possible model

- For Smart Cards based on :
  - *"open technology"*,
    - HAL, CardAPI, VM, s/w Bus, OS, ...
  - Open consortium,
    - Non profit company, ...

  - Room for open discussion...

Threats

- New *"open"* platform will :
  - Introduce trouble on the market :
    - Java Card Technology is THE trend.
    - Migration cost.
  - Introduce new cost for company deeply involved on Java Card :
    - New platform requires new tools, development and expertise (Java Card ramp up take 5 years!).
- Increase the attacker possibility and possibly decrease the security (?).

Opportunity

- To take control of product road map.
- No more royalties to pay!
- Cut R&D cost!
- Increase the security (?).
- Stimulate the innovation.
- Open new business :
  - The s/w platform may be used in other form factor as USB or secured token.

Challenge for industry and academic!

- What is the platform?
  - Java Technology or not?
  - What is the *"core technology"*?
  - Keep place for *differentiation?*
- Platform adoption?