

Brussels, 20 June 2012

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**EUROSMART**

The Voice of the Smart Security Industry

**Security and privacy in the digital world**

*Solutions from the Smart Security Industry*



# ***Digital Identity and Access Management as a Subset of Security & Privacy in Cloud-Based Services***

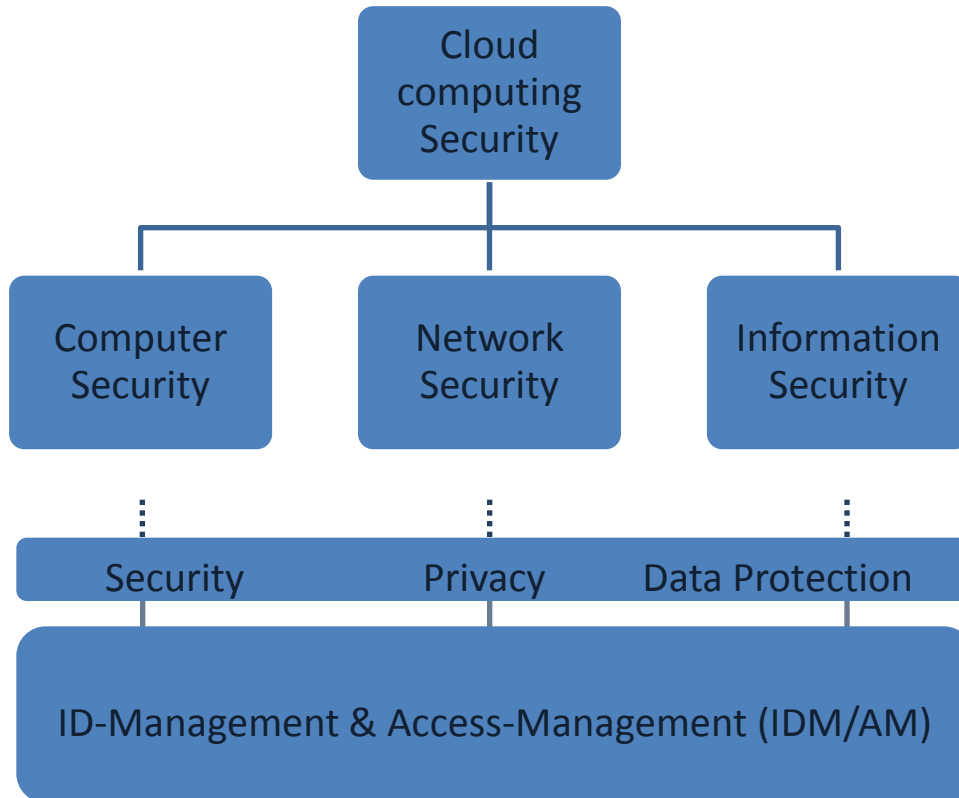
Detlef HOUDEAU

*Authors :*  
*Jean-Marc Lambert,*  
*Ingo Liersch,*  
*Didier Chaudun,*  
*Detlef Houdeau*

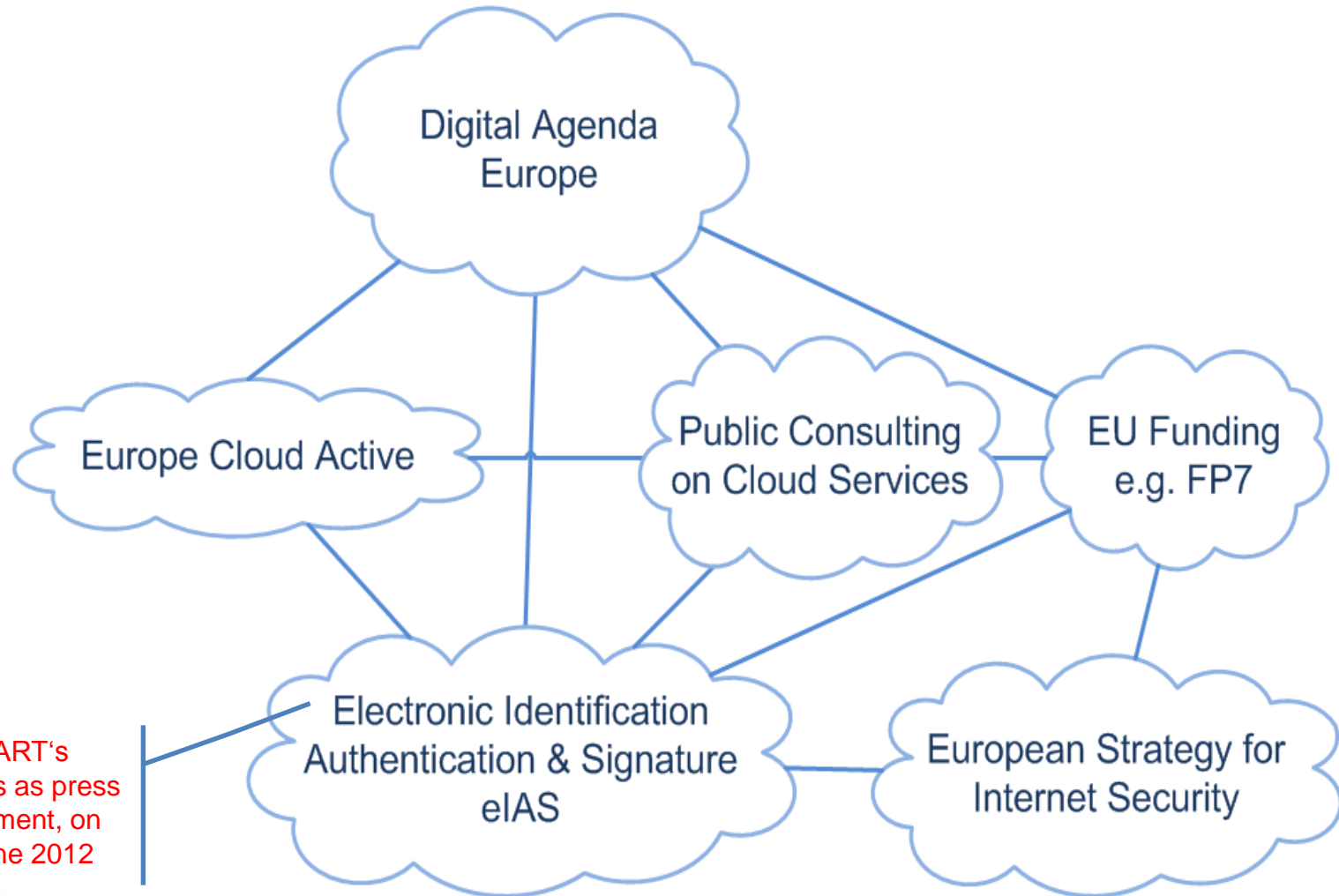
# Agenda

- **Cloud Computing Security**
- **EU programs on Cloud Computing**
- **EU targets on Cloud Computing**
- **Industry Alliance on Cloud Computing**
- **Risk in Europe**
- **Call for Action in Europe**

# Fundamentals of Cloud Computing Security, Privacy and Data Protection



# Many EU programs address Cloud Computing



EUROSMART's  
statements as press  
announcement, on  
18th of June 2012

# Cloud Computing Security in Europe: EC, ENISA, EU

- EC

Digital Agenda Europe

Data protection and privacy is named, but ID- and Access-Mgmt where **not explicitly addressed**.

- ENISA

Cloud Computing: Information Security

ID-Mgmt and Access-Mgmt are **only addressed** by specific domain, e.g. in health domain. Comprehensive approach is **missing**.

- EC / Public Consultation

Cloud Computing

Some references address security and privacy in a broader view. **Specific recommendation** on ID-Mgmt and Access-Mgmt are **not on the scope**.

- EC / eIAS

Proposal for electronic **Identification, Authentication, Signature**. The bridge to cloud computing is missing.

- EU Funding:

Cloud Computing & eIAS

ID- and Access-Mgmt take **not an important place** on priority list of EU Funding.

# Cloud Computing Security: Industry Alliances

- OpenID, OASIS....:

**ID- and Access-Mgmt are in the scope.**

**New joint working groups between industry associations and government organizations are in place.**

**However, some recommendations are missing, e.g. technical standards on:**

- ID-Mgmt
- Role-Mgmt
- Life-Cycle-Mgmt
- Strong Authentication
- Identity Verification
- ...



# Cloud Computing Security: Risk

- Risk: **Missing EU guidelines / regulation foster national specific policies. Additional efforts for “interoperability” along security/privacy is needed (like STORK, epSOS).**



# Cloud Computing Security: Call for Action

- Call for Action: **Confidentiality of cloud computing increases if privacy, security and data protection are well addressed.**



## EUROSMART's recommendation :

EC should define a comprehensive **guideline** on **identity** and **access management**.

**Attributes, credentials** and **strong authentication** should be well defined as well as **role management** and **life cycle management**.

Security **evaluation** and **certification** shall be along **Common Criteria** (ISO 15408).



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***THANK YOU FOR YOUR ATTENTION***

***ANY QUESTION ?***

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