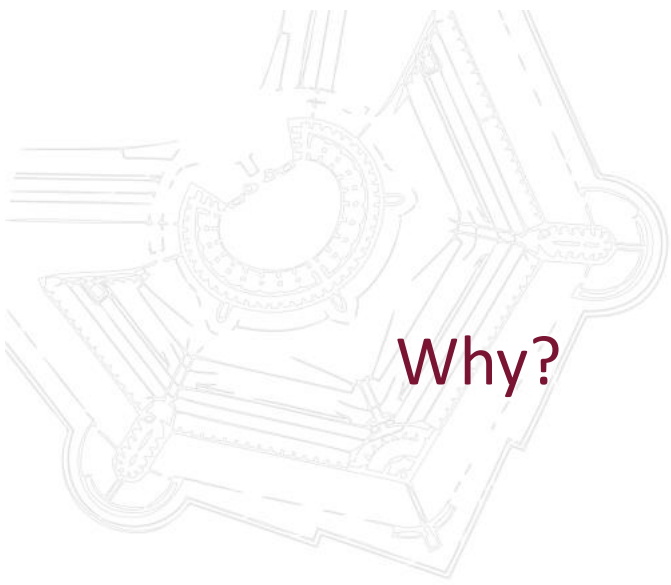




Leuven, September 8th, 2011

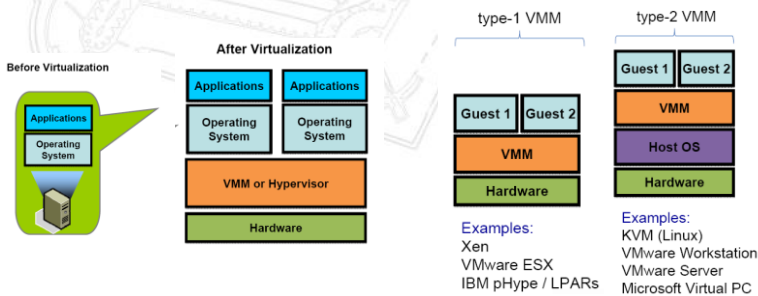


Why?

Why Virtualization or Cloud Computing?

* LSEC Virtualization & Cloud Security Seminar January 2010

1. Cost savings : Space, power, cooling
2. More efficient use of hardware resources
3. Common hardware environments
4. Instant provisioning
5. Disaster recovery
6. Data partitioning
7. Redundancy
8. Distributed resource scheduling : load balancing

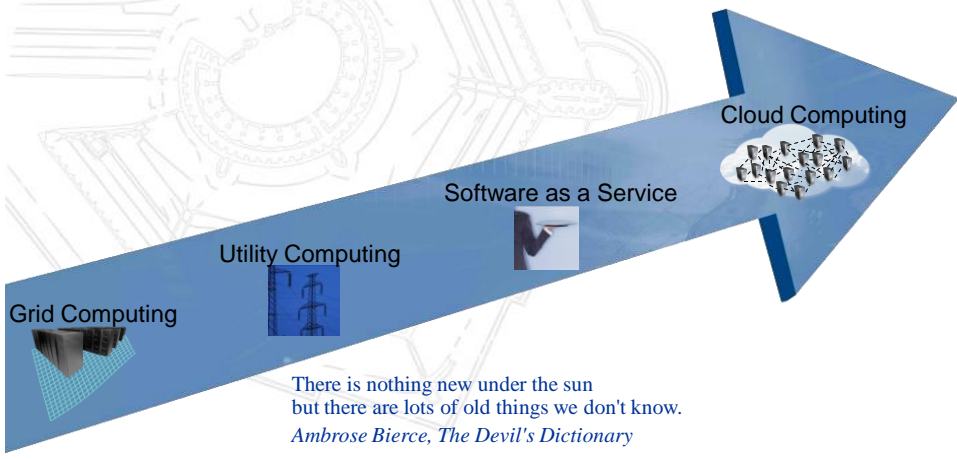


Why Virtualization or Cloud Computing?

Remove economic/expertise barriers impeding to modernize business processes by the introduction of Information Technology		29.5%	18
Avoiding capital expenditure in hardware, software, IT support, information security by outsourcing infrastructure/platforms/services		70.5%	43
Flexibility and scalability of IT resources		67.2%	41
Increasing computing capacity and business performance		34.4%	21
Diversification of IT systems		8.2%	5
Local and global optimization of IT infrastructure through automated management of virtual machines		26.2%	16
Business Continuity and Disaster recovery capabilities		55.7%	34
Assessing the feasibility and profitability of new services (i.e. by developing business cases into the Cloud)		31.1%	19
Adding redundancy to increase availability and resilience		25.5%	16
Controlling marginal profit and marginal costs		14.8%	9

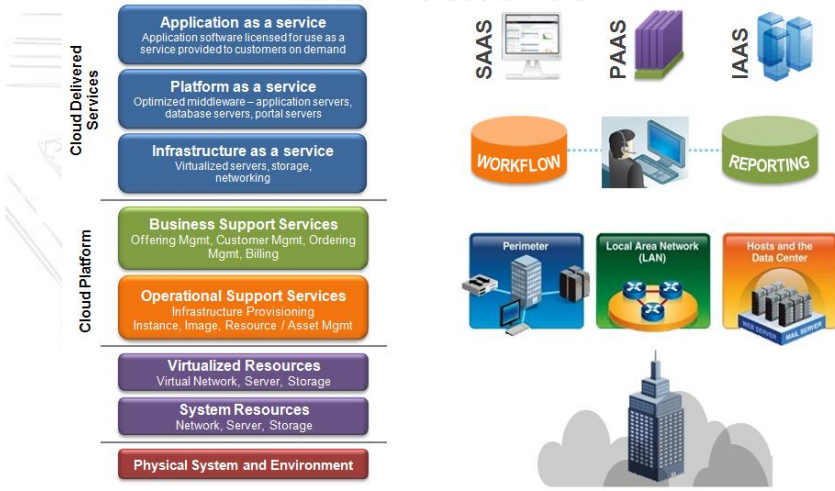
* LSEC Virtualization & Cloud Security Seminar January 2010

What's new about cloud computing?



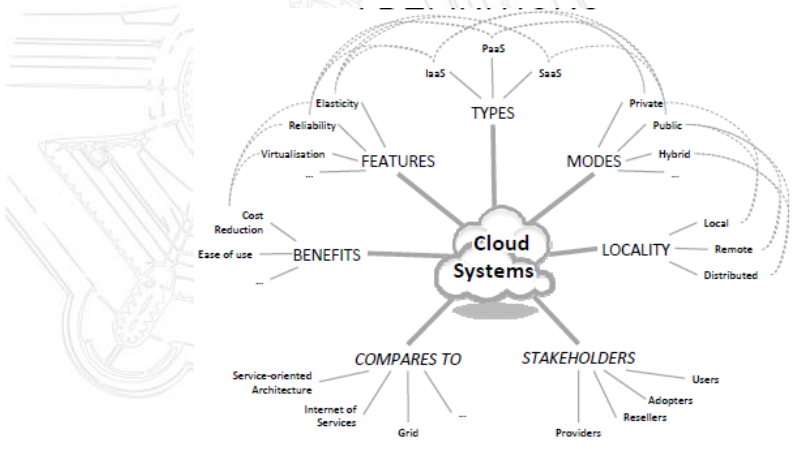
* LSEC Virtualization & Cloud Security Seminar January 2010, Johan Celis, IBM

A variety of cloudzzzz ...



* LSEC Virtualization & Cloud Security Seminar January 2010, Johan Celis, IBM

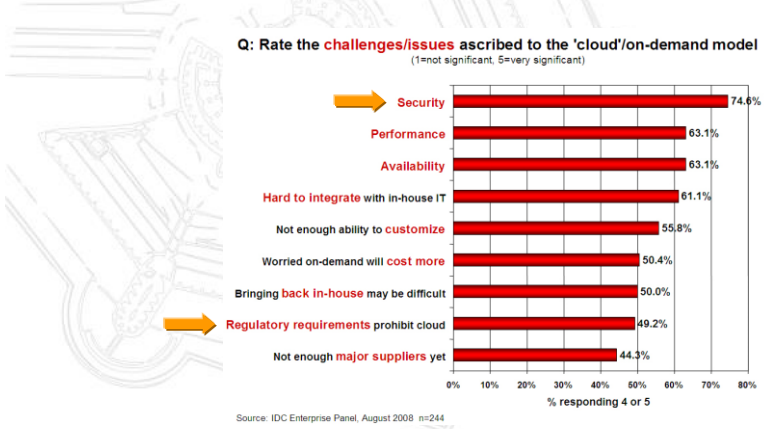
Another perspective ...



* Expert Group Cloud Computing : opportunities for cloud computing 2010, DG INFSO



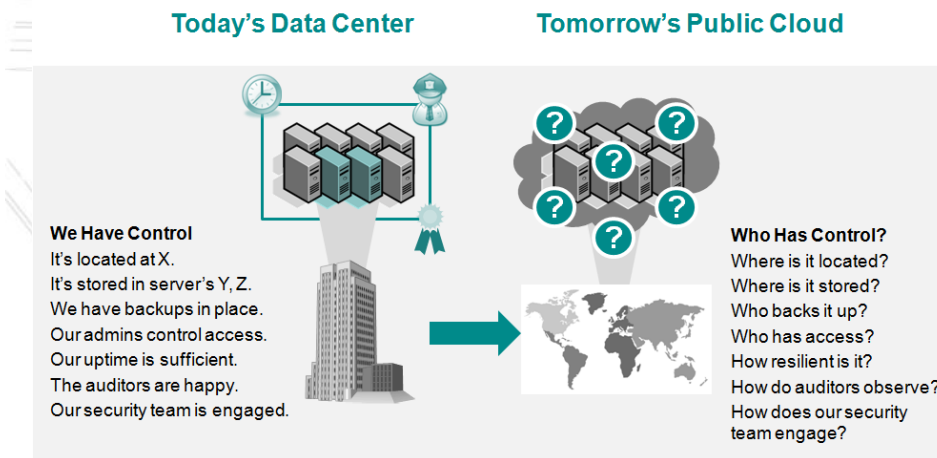
What does our gut feeling tell us?



* LSEC Virtualization & Cloud Security Seminar January 2010, Johan Celis, IBM



What does basic analysis tell us?



* LSEC Virtualization & Cloud Security Seminar January 2010, Johan Celis, IBM

Generic Risks from the cloud

The impact of a threat in the Cloud can be amplified by resource concentration



1. Lock In
2. Loss of Governance
3. Resource Exhaustion
4. Compliance Challenges
5. Supply Chain Failures
6. Legal and Contractual Risks
7. ...

* LSEC Virtualization & Cloud Security Seminar January 2010, Philippe Massonet, CETIC -

Some help

1. CAM :
http://common-assurance.com/resources/Business_Assurance_for_the_21st_Century-final.pdf
2. <https://cloudsecurityalliance.org/>

* LSEC Virtualization & Cloud Security Seminar January 2010, Philippe Massonet, CETIC -

Who?



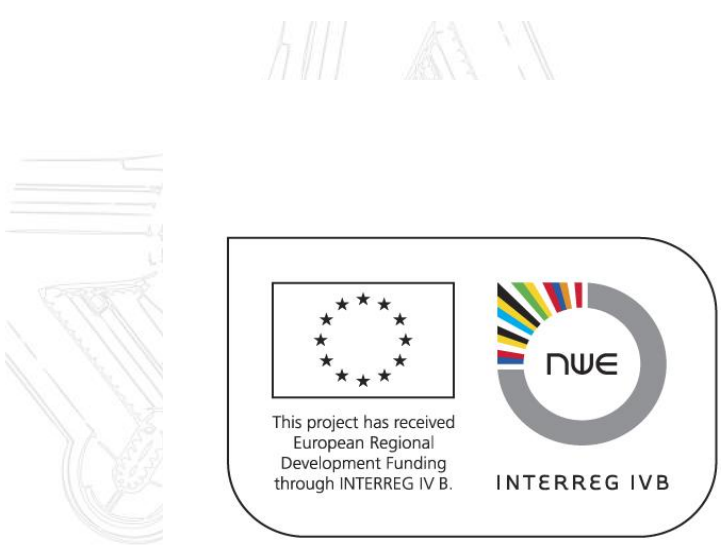
Activities Overview 2010 a year in review

1. Events

1. 20.05 : Security Conference Lux
2. 27.05 : Identity Fraud
3. 09.06 : European eID forum
4. 17.06 : Managing Identities
5. 18.06 : Annual Meeting
6. 26.06 : VICTOR Security Day
7. 29.06 : Pôle TES – NFC Days
8. 07.09 : ERP & SAP Security
9. 10.09 : Future Networks
10. 22.09 : Security Research Conference
11. 23.09 : A2B
12. 24.09 : BruCon
13. 27.09 : RFID
14. 09.10 : ISSE
15. 14.10 : RSA Europe
16. 21.10 : Total Security Day
17. 25.10 : Security Management & Special Event
18. 03.11 : Infosecurity Netherlands
19. 01.12 : Industrial Security Workshop
20. 13.12 : PRIT Cybersecurity STIG
21. 27.01 : CPDP
22. 14.02 : RSA US
23. 16.03 – 17.03 : EEMA eID Interoperability Conference
24. 18.03 : Industrial Security EU discussion
25. 23.03 – 24.03 : Infosecurity.be 2011
26. (19.04 : Infosecurity.co.uk)
27. 28.04 : LSEC Spring Break event
28. 06.05 : LSEC Identity Panel Discussions
29. 10.05 : Identity Management & Cloud – preconference Kuppinger activity
30. 10.05 – 13.05 : EIC (Kuppinger Cole) – Mobile Identity panel led by LSEC
31. 12.05 : VICTOR day – ICT Security track
32. 24.05 : Security Track & Trace
33. (27.05 : Launch of B-CENTRE)
34. 06.06 - 07.06 : GRC Unravelled

2. Members & Partners

3. Projects

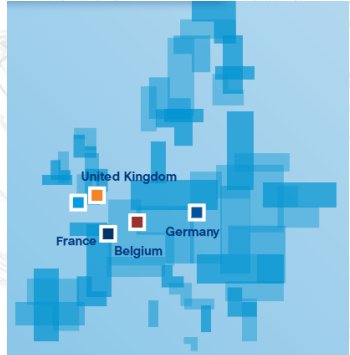


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The European Security Innovation Network



- developing and implementing an infrastructure to support partnership building
- sector mapping and research
- creating a toolkit of support materials for SMEs to ready them for collaboration
- Improving the appetite of SMEs to engage in partnerships
- collaborative opportunities
- network of supportive experts
- Lessons learned in approach developed for partnership that could be applied in other sectors

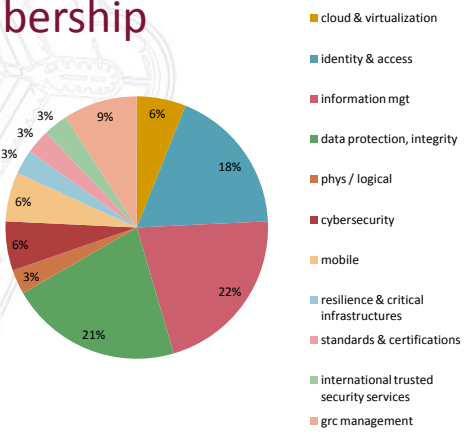
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Overview of the Membership

- more than 1350 companies registered
- reaching over 10.000 security professionals in Europe
- collectively representing over 10 billion € market
- Professional services, products, solutions, engineering, contracting, outsourcing, ...
- more than 10 leading universities and research centers involved



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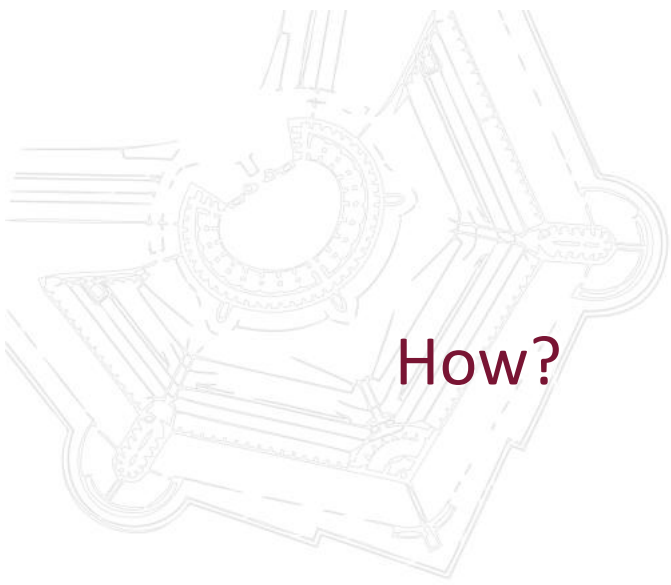
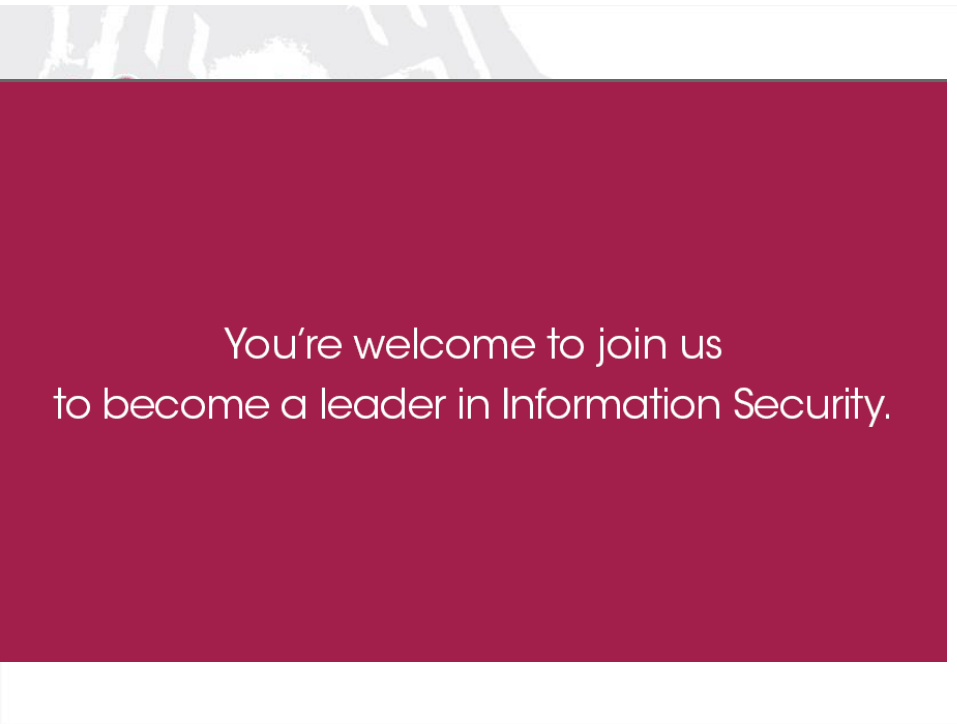
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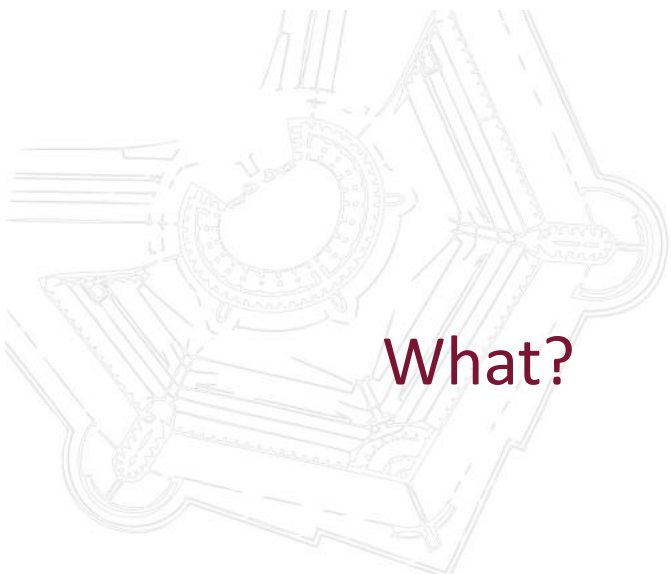
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Practical



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Cloud Services & Security

Trust your cloud & Security services in the cloud

09.15 : Cloud Computing a systemic overview of opportunities and challenges, by Henk van der Heijden, Vice President Security Europe CA Technologies

10.00 : Security in the Cloud, myth versus reality. About auditing in the cloud. by Mike Chung, Manager IT Advisory KPMG Netherlands

10.45 : Cloud Computing and Virtualization, Security issues, by Michael Haines and Matthew Northam, VM Ware

11.30 : Challenges with Cloud services posed by legal constraints such as Privacy and Data Protection Guidelines; by Bruno Schröder, Microsoft

12.15 : lunch & networking

Cloud Services & Security

Trust your cloud & Security services in the cloud

13.15 : Cloud Services by Verizon Business and Security measures taken, by Rob Kroneman

14.00 : Cloud Services by Microsoft and Security Measures taken by Rudy Van Hoe, Microsoft

14.45 : Cloud Services by Belgacom and Security measures taken, by Bart Callens, Belgacom

15.30 : Panel Discussion

16.00 : Coffee Break

16.30 : Securing your Data in the Cloud, by Luc Wijns, Chief Technologist Oracle Systems

17.15 : Security Services in the cloud, managed cloud security services, by Christophe Bianco,

18.00 : Securing the cloud and cloud security, by Rashmi Knowles, RSA

18.45 : Bringing TRUST to the cloud: strong authentication as an enabler for SaaS, by Kurt Berghs

19.15 : Cloud Security Solutions wrap-up, and future challenges by Ulrich Seldeslachts, LSEC

19.30 : Closing Reception & Networking

20.30 : Close of Conference

Upcoming Activities

1. 13.09 : Mobile ID discussion
2. 12 – 14 .09 : ESORICS
3. 15 – 16.09 : EUROPKI
4. 16.09 : PKI Revisited
5. 19.09 -20.09 : BruCON Security Conference
6. 22.09 : Identity Management & panel discussions
7. 27.09 : RFID Europe – Secure RFID/NFC panel led by LSEC
8. 06.10 – 07.10 : international security conference : security hardening
9. 11.10 – 13.10 : RSA Europe 2011 (CFP open) - paper submission supported by LSEC
10. 13.10 : Security Day (LAN News)
11. 17.10 : Biometrics 2011
12. 19.10 – 20.10 : Communications and Media Security Conference
13. 15.11 – 16.11 : Industrial Security & CIP
14. 22.11 – 23.11 : ISSE 2011 (CFP open) – paper submission supported by LSEC
15. Tbd : Privacy By Design with our international partners
16. 25.01 – 27.01 : CPDP 2012



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Upcoming Activities : Trusted Clouds

08.09 LSEC Cloud Security Conference

Trust in the cloud and cloudtrust - about cloud security

Many European information security managers and their CIO's are questioning the level of security of these clouds and cloud services providers. Can clouds be trusted with sensitive corporate data, critical information systems, high availability services, or should companies only consider unimportant information?

Program Outline

1. Some cloud offerings and their respective security considerations into depth
2. Some cloud security providers and their ideas on trust and security
3. What are the evolutions of the security challenges posed by cloud and virtualization technologies and how can they be applied in private clouds?
4. Are there certification models, or evaluation schemes to which cloud service providers can be measured against? Can ISO 27k be applied?
5. Where does access control and identity fit in?
6. What should be the role of the Security Manager with cloud service providers?
7. How can IT-auditors control what is in place?
8. Are SLA's sufficient?
9. What about data losses and infringements?
10. How do cloud operators deal with European Data Protection laws?
11.



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Upcoming Activities : Biometrics 2011

17.10 Biometrics 2011 : a market perspective, use cases and best practices

The focus of the seminar will be to find out what the benefits, challenges and business models for applying biometrics could be, what specific applicable solutions might be presented in environments that could be challenging for other types of authentication technologies. Could biometrics in 2011 be a solution for your situation?



Program Outline

1. Current state of the market : biometrics in 2011, an overview of the available technologies, evolutions and developments
2. Cost of biometric technologies versus other authentication technologies, advantages, challenges and roadmap
3. Use cases: real-time biometric challenge-response in the cloud, iris identification – ready for prime time, multi-modal biometric systems
4. Mobile biometrics, now or never?
5. Privacy, privacy enhancing technologies, evolutions of the legal frameworks (data protection act), evolutions of reference data
6. State of the art developments and technologies
7. Applying other information security measures on biometrics (DLP, database protection, encryption, eavesdropping ...)
8. Biometric standards and interoperability
9. On card, on system, on site or on line
10. Biometric middleware, user interaction and user interface design for biometric systems
11. - Best practices

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