CA VIEWS ON AUDITING AND CABF

izenpe

TSP OF THE BASQUE ADMINISTRATION

IZENPE: A GOV TSP

- Created in 2002. Owners: Basque Government and Regional Governments of the Basque Country
- ISO 27001, ETSI TS 101 456, ETSI TS 102 042 and Webtrust for EV Certified
- Goal: To promote the electronic signature within the public administration and the citizenship
- Numbers:
  - Time stamps: 1,8 millions/month
  - Validations: 2,4 millions/month
  - Qualified certs issued: 350.000 aprox (citizens and entities in SSCD)
  - Non qualified certs issued: 50.000 aprox (including 100 EVs)

IZENPE: A GOV TSP

- More numbers:
  - More than 20 different profiles of certificates and/or policies
  - More than 20 products and services related to electronic signatures, such as:
    - Electronic signatures services platform: client&server, locally and in the cloud
    - Signing tools for workflows, e-invoicing, information accreditation, etc
    - Identity broker
    - Certified communications: REM, SMS certified
    - Online notary and electronic evidences in the internet
    - Cloud services: certificates and applications
    - 4 different mobile signing options: mobile carriers, crypto microSd, app developed in Android/Apple, virtual card in the cloud

OUR VISION?

Evolution

- European directive of 1999
- Spanish national law on electronic signatures of 2003
- ETSI, CEN, IETF, etc standards since last century
- But
  - Microsoft started with its W98
  - Google, Facebook, twitter, youtube, etc. didn´t exist
  - No tablets nor smartphones, and no iOS nor Android
  - Clouds were in the sky and only meant weather
- So no evolution, involution?

NEW PROJECTS?

- There are iniciatives not based on certificates for advanced signatures.
- There are iniciatives to have a «different safe» in internet than the current certificates
- There are new posibilites with mobiles&clouds
- But
  - Are we covered by the current legislation?
  - All the technical issues have a solution but it´s not the same regarding legal issues → the lawyers are very often the main issue

Different point of views

- CAB Forum is focused on SSL certs
- ETSI is focused, mainly, in QES and QCs
- Where are the CSPs going?

COLLABORATION

- CAs and Browsers (CAB Forum) developing new requirements for issuing SSL certs
- ETSI ESI developing a complete framework of electronic signatures
- But …
  - Where are the notification/supervision bodies?
  - Where are the national accreditation bodies and the accredited auditors?
  - Should this be mandatary within the EU/Worldwide?

SECURITY

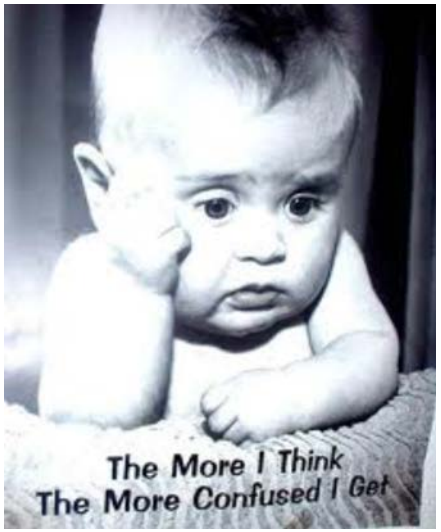
- Are all the CSPs working properly? Should it distinguish or create categories?
- Are all the browsers acting the same way? And the supervisory bodies? And the auditing bodies? And relying parties? Governments?

CONCLUSIONS

- Realize that it affects all of us, CA/CSPs, browsers, relying parties, auditing bodies, standard bodies, supervisory bodies, governments, end users, etc.
- Earning money, making profit is not the target but providing secure and reliable services. All of us have to have the same rules/requirements independently how «big» you are.
- Collaboration is a must.

Is there something else to change?

- Who has to deal with this?
- Why all the changes affect the CSPs?
- Is this enough?



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