Building a shared eSignature platform

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Program

• Flemish government (FG)
• HFB
• FG eSignature services (As Is)
• FG eSignature services (To Be)
• Conclusion
Flemish government

Scope

- Region of Flanders
- Community of Dutch speaking Belgians

Responsible for

education, youth, employment, mobility, public infrastructure, culture, welfare, economics, innovation, ...

Consists of

13 “beleidsdomeinen”

More than 50 departments / agencies

Supports

5 provinces

308 cities & principalities
HFB ("Het Facilitair Bedrijf")
delivers

Shared services about

Facilities & ICT
to

VO agencies, local governments
Case
- diminish mountains of paper
- speed up processes

Requirements
- Usable internally in government & in interaction with citizens and economic actors
- Legally valid signing
- Timestamping
- Different formats
- Multiple signatures
- WYSIWYS
- Enable Multiple client OS support
- Supports open standards (PADES)

Scope
- Simple document-signing for civil servants
- Generic document/dossier signing service for platforms / applications
DTPv1: deployment

- **Platform**
  - Adobe LC based
  - Configured for FG
  - Internally hosted
  - Client signed with eID

- **Interfaces**
DTPv1 : legal aspects

Prepare for signing (signing with e-ID on client device)

- Eidas regulation is not applicable since signing on client device
- Qualified eSignature
- No special requirements
DTPv1: lessons learned

1. Efficiency !!!
2. User friendliness
3. Client dependency
4. Workflow capabilities
5. Status information
eSignature service (To Be) – DTPv2

• **Case**

  Same as DTPv1

• **Requirements**

  Same as DTPv1 plus

  – Bulk signing
  – Web interface (online signing)
  – Ease of use
  – Workflow
  – Status board
  – Document seals (remote signing using server certificates)
  – Integration with VO IAM

• **Scope**

  – Same as DTPv1
DTPv2: deployment

- **Platform**
  - Based on Ascertia / Dios middleware
  - Configured / integrated for FG
  - Internally hosted
  - Client signed with eID or server signed

- **Interfaces**
DTPv2 : legal aspects

1. Remote signing
   - Eidas regulation is not applicable since internal usage
   - Advanced eSignature (substantial or high)
   - Requirements:
     • Server side signing implies security requirements on all server components
     • It should be clear to the eSigner what he/she signs and he/she should explicitly give the admission to sign

2. Bulk signing
   - Eidas regulation is not applicable since internal usage
   - Advanced or qualified eSignature
   - Requirements:
     - WYSIWYS – completely under control of eSigner
FG eSignature services: conclusions

- FG to implement DTPv2
- Internal use
- Not a QTSP
- Compliance with European standards
- Policy document with terms of conditions
- Implementation path to support all approved European formats
- Highly secured platform
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