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NB8 seminar in Vilnius, Lithuania 18 September 2012

Agenda

- National egov strategy
- Danish national infrastructure
- Danish esignature setup NemID infrastructure
- eIAS proposal and NemID

National eGov Strategy

- Ambitious strategy for 2011-2015
- Transition toward mandatory self-service for communications between citizens/companies and the public sector
- 80% of all correspondence digital form by 2015
- Presupposes NemID (digital signature)
- Improved public online self-services
- Mandatory digital post (2014)
- Legislative initiatives

STRATEGIC FOCUS 2011-2015: THREE TRACKS, VARIOUS AREAS

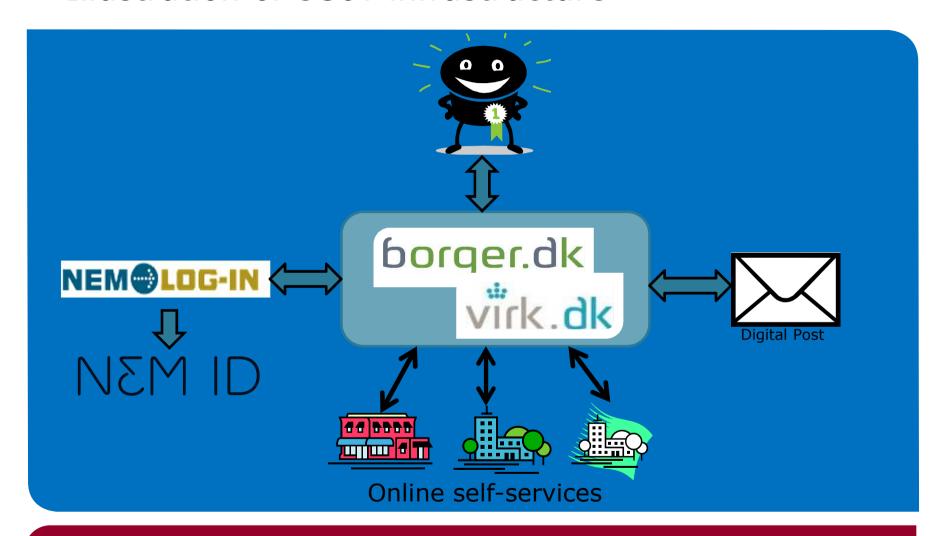


eGov Infrastructure

- NemLogin (= EasyLogin)
 - > allows SSO across public online services
 - NemID used as credential
- Portals for citizens (Borger.dk) and businesses (Virk.dk)
 - Glass plate portals with SSO for public online services offered by different authorities
 - NemID used as credential
- Digital Post
 - > Mandatory mailbox for all Danish citizens and residents
 - > All public correspondance delivered to mailbox
 - NemID used as credential



Illustration of eGov infrastructure



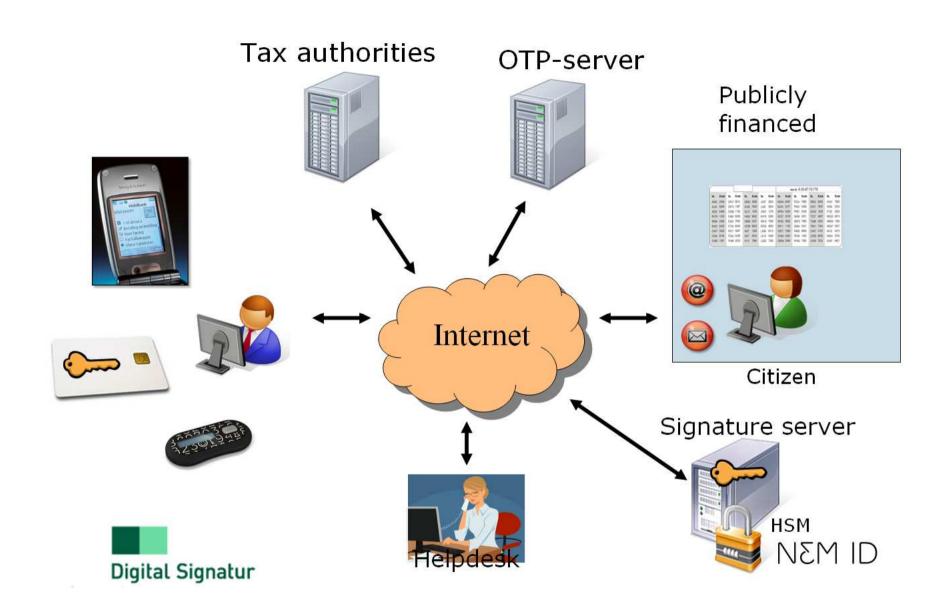
Danish eSignature setup

- NemID (= EasyID) for
 - ✓ Physical persons
 - ✓ Organisations, Employees, Devices
- Based on Danish National standard for public certificates (OCES)
- Operated by private company (Nets DanID) based on EU-tender
- Centrally stored keys for private persons
- Access with 2-factor authentification independent of pc

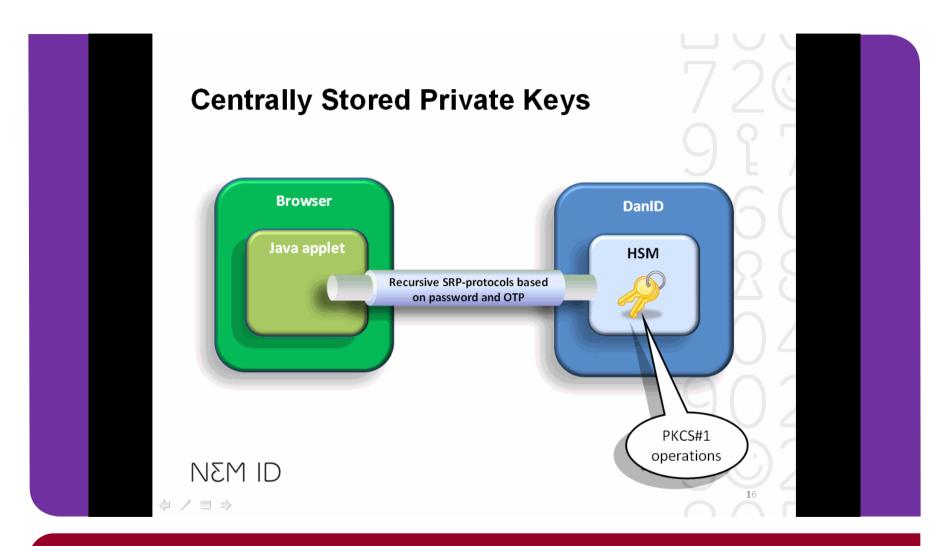


Danish eSignature setup

- Access to a large number of public services
- Private service providers use NemID
- Non QC advanced electronic signatures
- Free for all Danish citizens and residents
- Free support for citizens
- Validation CRL's and OCSP
- Public services free validation



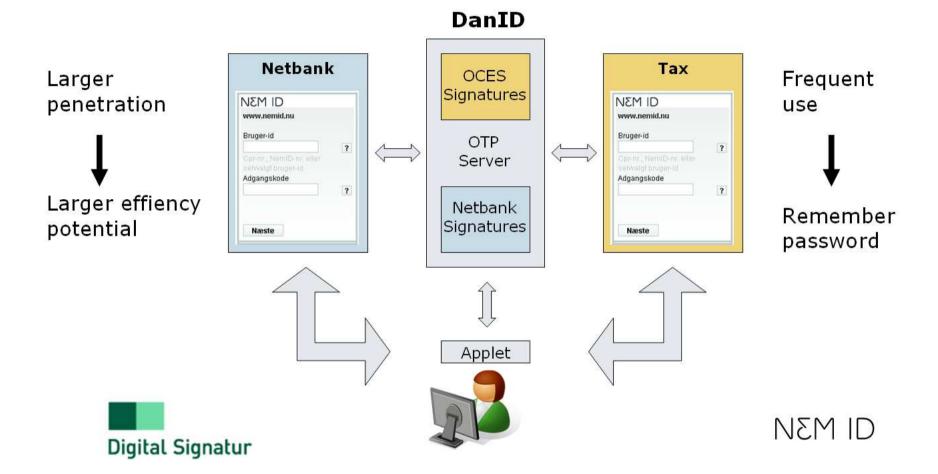
Secure tunnel from user to private key



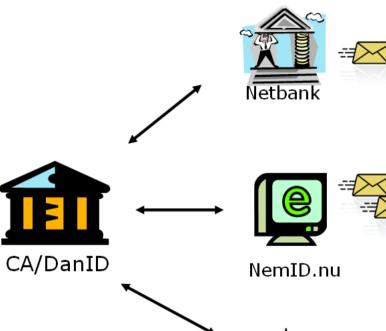
Danish eSignature setup

- Public/private partnership common security infrastructure with banks
- 3.7 million NemID issued today
- Around 45 million transactions per month
- More than 400 public and private services
- Latest survey shows 97% of respondents have NemID, 96% favourable rating and 100% awareness

Common use of infrastructure



End user registration – based on requirements from law on money laundry and terror funding



Digital Signatur

Identity known -Code card sent to registered CPR-address



Identity unknown -Activation password and code card sent to registered CPR-address



Citizen service centres Tax centres Physical presence – On site issuance handover of Activation password and code card



eIAS Proposal and Danish esignature setup

- Extended scope NemID both eID and esignature
- NemID fulfills most requirements for notification
- Fits well with current Danish setup
 - ✓ Physical persons, Organisations, Employees, Devices
 - ✓ Centrally stored keys an option for QC
 - ✓ No limitations on transaction values in certificates
- Accessible for users with disabilities already considered



eIAS Proposal and Danish esignature setup

- Free validation without technical requirements
 - ✓ Requires change of Danish business model
 - ✓ No technical requirements a challenge
- Mandatory acceptance challenge needs clarification
- Technical uncertainties need further specification
- Danish legislation direct transposition of directive – probably new legislation
- NemID pt not QC in the future maybe QC



FURTHER INFORMATION

- NemID:
 - https://www.nemid.nu/om_nemid/about_nemid/
 - http://www.digst.dk/Servicemenu/English/Digitisation/Digital-Signature
- NemLogin:
 - http://www.digst.dk/Servicemenu/English/Digitisation/NemLogin
- Danish eGov Strategy:
 - http://www.digst.dk/da/Servicemenu/English/Policy-and-Strategy/eGOV-strategy
- Danish Agency for Digitisation:
 - http://www.digst.dk/da/Servicemenu/English

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