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e-Government for Small Countries Challenges and Opportunities

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Primary Needs ...

◎ Integrated governmental information systems
  ◎ Registries, document management, accounting, GIS, ...
◎ e-Services to citizens, apps, payments, ...

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Based on...

- Hosting, networking
- PKI
- Electronic identity, mobile identity
- Data exchange platform
- Portals
- Custom-made software
- Cybersecurity

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Also ...

◎ Personnel is needed to operate the systems

  ◎ Separation of roles

◎ Redundancy is needed

  ◎ Multiple data centers, disaster recovery

◎ Sustainability

  ◎ Systems must be renewed (5-10 years lifetime)

◎ Autonomy and self-sufficiency are needed, staying in control

◎ Cannot just leave out some pieces

◎ Might be too much for small countries

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Solutions ...

- More efficient solutions with smaller footprint and lower administrative overhead
  - UXP – very fast data exchange and PKI system with low administrative overhead
- Outsourcing
  - Very common in hosting, networking and PKI
- Sharing systems and services with private sector
  - Great for electronic and mobile identity
- International cooperation
  - Sharing the systems and installations, redundant data centres and disaster recovery

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Questions ...

◎ Is it secure?
  - ◎ What functions can be outsourced and shared?
◎ How to organize the cooperation?
  - ◎ What are the rules?
  - ◎ What standards and protocols to use?
  - ◎ How to avoid vendor lock-in?

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