



National IT and Telecom Agency
Ministry of Science
Technology and Innovation

The Nordic IT Law Conference 2010



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Agenda

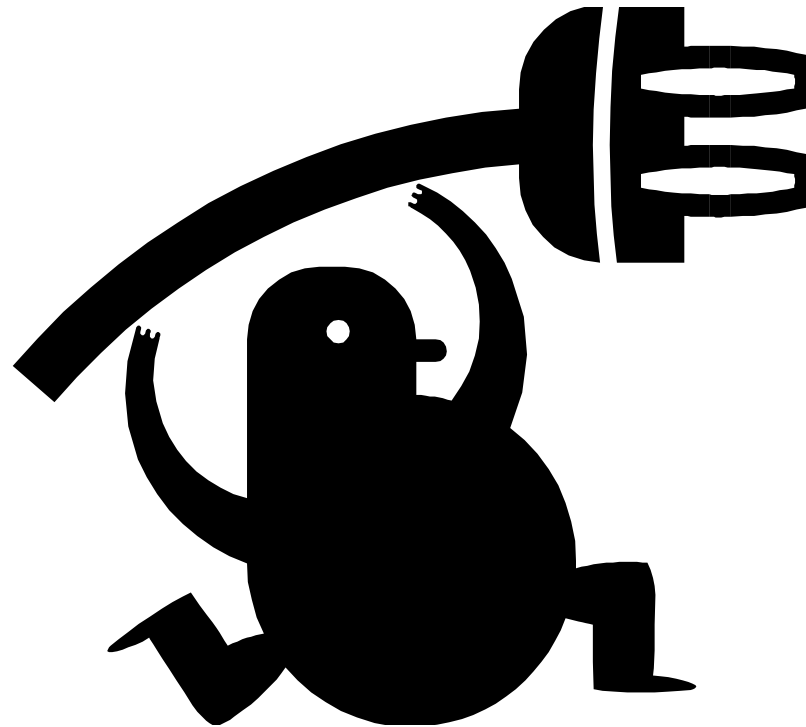
- What is cloud computing?
- Why is cloud computing interesting?
- National IT- and Telecom Agency's (NITA) experiences with cloud
- The barriers of cloud
- Municipality of Odense
- Next steps



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IT-as-a-Service

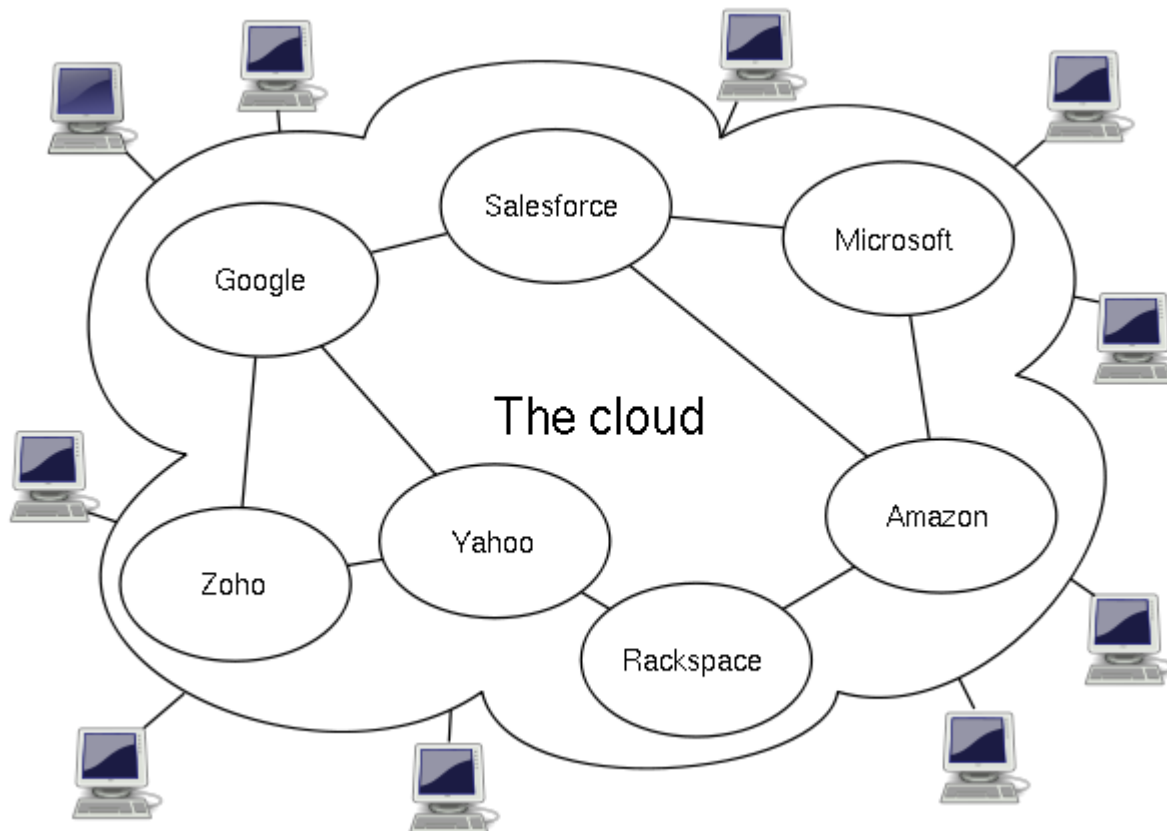




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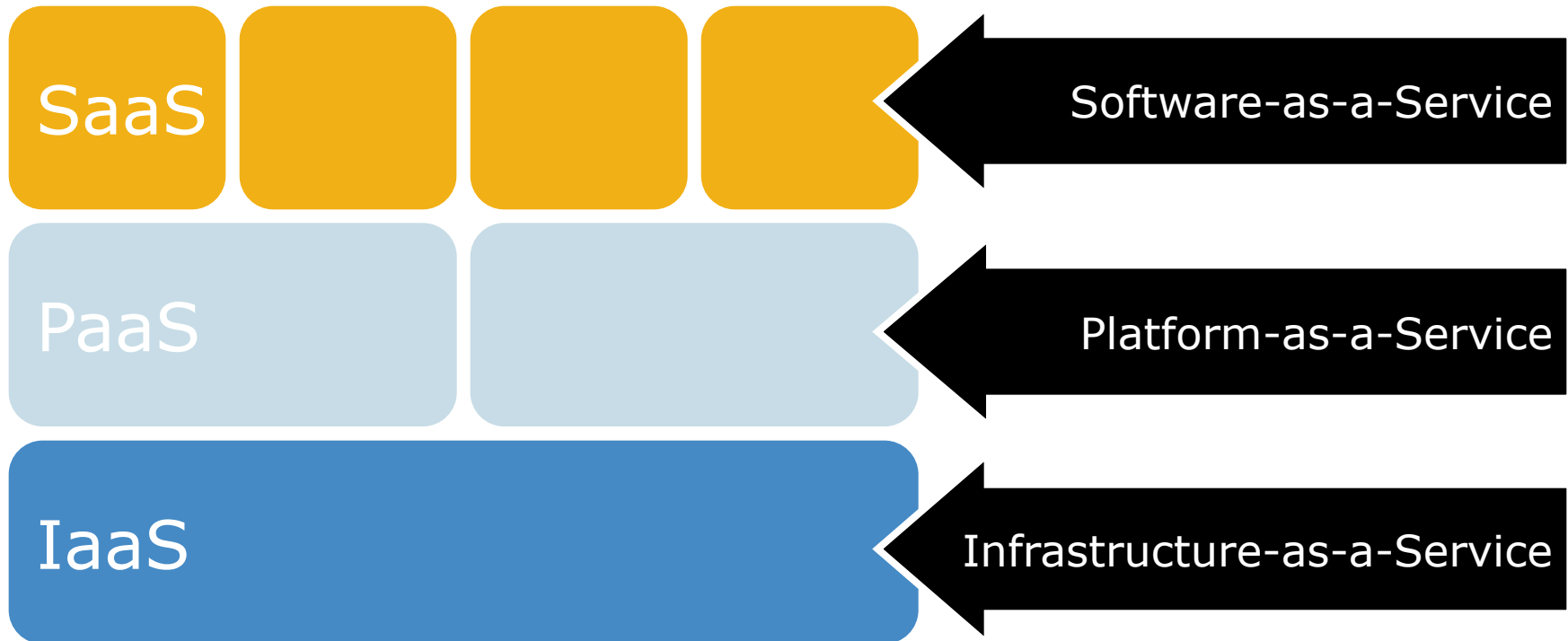
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Cloud defined





From hardware to software





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Why is this interesting?

- Cheaper
- Easier
- Faster
- More flexible
- Greener...





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NITA in the cloud

Digitaliser.dk, NemHandel and Borger.dk's statistics module on Amazon's Cloud.

A monthly cost reduction of 50%



Read more: "Migration of Nemhandel to a commercial Cloud Computing Infrastructure"

digitaliser.dk/resource/567373



Cloud computing vs. traditional outsourcing

	Outsourcing	Cloud Computing
Location	You know where your data is located	Data can flow between different data centres
Server dedication	Data is stored on individual dedicated servers	Multitenant – all client accounts share the same servers. All data is pooled together and stored randomly on a stack of servers



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Municipality of Odense

- Project where the children in primary school had Google Apps accounts
- Involves personal data of the students with a certain level of privacy
- Data protection issues
- Risk analysis



Barriers

- Contracts
- Data protection
- Vendor dependency



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Contracts

- Standard contracts
- Availability
- SLA
- Support
- Jurisdiction



Data protection

- Control of data
- National borders
- EU and third countries
- Security



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Vendor dependency

- Hosting, traditional outsourcing, cloud computing
- Access to data
- Change of cloud supplier
- Open standards



Next step

- Guidance and support to public authorities
 - IT University
 - The Capital Region of Denmark
 - ...
- Cooperation with SMEs
- Data protection directive





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Questions: cec@itst.dk

Join us at: "Cloud computing in Denmark"
[Digitaliser.dk/group/375255](https://digitaliser.dk/group/375255)

