

National strategy

Cloud services should always be considered

- And chosen where they are cheapest and most expedient
 - Information security must be catered for

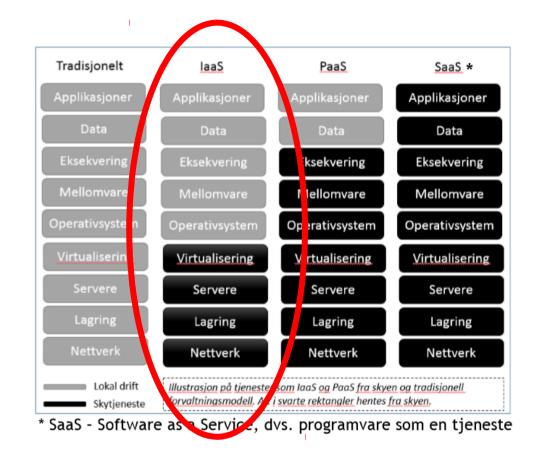






Cloud technology and services

- The Cloud Computing concept refers to physical components, software, services, business models and delivery models.
- It represents a paradigm shift for production, distribution and use of IT services



• Example: Infrastructure as a Service (IaaS) - buy datacentre functionality over the Internet instead of investing locally.

Why choose cloud services?

- Very fast to set up
- No cost to set up a small instance
- Easy scaling
- laaS: Flexibility

• ...

You can do it yourself!!!

Now.

UH-sky: OpenStack laaS

Mini workshop:

- Quick background
- Log in on web GUI
 - Make a machine via Web GUI
 - To verify: Log in on the machine via SSH.
- Install and set up CLI
 - Attach storage via CLI
 - Make a new machine via CLI
- Play around
 - E.g. install a graphical software package
 - Or install a web server
 - Or install your workflow tools

My lesson notes are at

https://arnsteio.github.io/UH-IaaS-mini-workshop/







Why not use cloud services?

- Compliance issues. Data protection
- Legacy systems
- SaaS / PaaS: inflexibility
- Uncertain costs
- Skill set