



Virtualized research architecture

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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



* SaaS - Software as a Service, dvs. programvare som en tjeneste

- 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
- IaaS: Flexibility
- ...

You can
do it yourself !!!

Now.

UH-sky: OpenStack IaaS

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