Cloud Data Centres Lab 1

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1. The reason why cloud is so successful is because the modern day computing is constantly changing at almost rapid rates. The scalability and flexibility cloud has it is able to adapt and meet demands.

Three pros to Cloud:

* Infrastructure cost
* Self-service
* Easy Collaboration

Three cons of Cloud:

* Dependent on internet
* Security concerns
* Possibility of downtimes

1. A hypervisor main role is to manage multiple virtual machines that are operating on one physical machine.
2. A virtual machine is like a physical machine but software-based it runs on the operating system of a physical machine
3. Benefits of VMs:

* Efficient
* Isolated
* Portability
* Cloning and recovery

1. Five use cases of using virtual machines:

* Running multiple on one physical machine
* Testing environments
* Disaster recovery back ups

1. The guest operating system is the operating system installed on the virtual machine
2. Vms are run independently and are isolated from any other machines
3. Virtual machines portability allows them to move between different physical machines
4. It allows a user to quickly deploy a new VM with the same configurations