

## Course 2 week 4.

A overview of virtualization.

Allows you to create multiple simulated environments or dedicated resources from a single, physical hardware host

- Hypervisor / Host
- Virtual Machine / Guest.

Hypervisor

→ Separate the physical resources from the virtual environments.

→ Hypervisors can sit on top of an OS or be on hardware.

1.1.1 Machine .

1.1.1.1

Virtual Machine  
↳ single data file. & requests.  
→ Physical hardware is  
allocated to VM's.

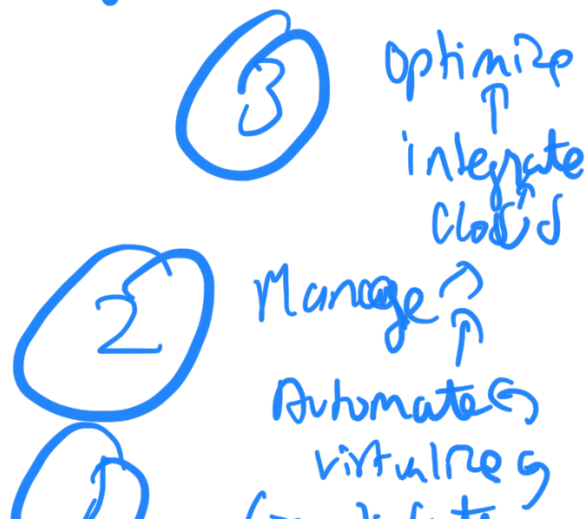
Virtualization to Cloud.

→

Dynamic Capacity  
optimization

- Real-time monitoring
- Business Service Catalogs
- Service delivery automation
- Virtualization management.

Deploying to cloud.



What is cloud computing?  
public  
private  
Hybrid.

Models: Software as a Service.  
Platform as a Service

Cloud Benefits, Security and Governance.

Flexibility  
Efficiency.

- DR/BC Planning
- Governance
  - Compliance
  - Availability
  - Data Security
  - Identity & Access Management.

Governance



SANS -stuff

done