

## Containers Virtualizes the operating system

- -> abstraction at the operating system level
- -> Multiple containers can run on the same machine
- -> can share the host operating system kernel.
- -> container does not require its own operating system.
  - · The amount of disk space, RAM, processor time and other server resources that are saved.
- container, packages your application code and it's dependencies together.

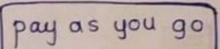
## \* Benefits of cloud computing

## Reduce costs

- v cloud reduces both capex and opex.
- vorganization no longer have to spend huge amount of money on physical servers, related IT infrastructure specialized IT workforce server rooms or data centers.

Server room secured ! Setupa configure Servers | connect it to the server organizations faced with a large initial capital expenditure (Capex) poper antivirus cooling system software server Maintenance any other dependencies

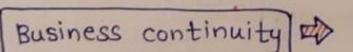
- · disaster recovery
  - · failover system



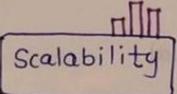


You will pay for what you use.

cloud resources are metered

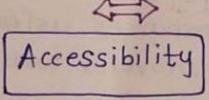


any crisis do not result in data loss

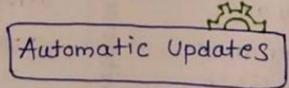


scale up 1 Scale down &

> Never run out of resources.



accessed from Virtually anywhere and anytime.



Increased collaboration

self service



Risk of cloud computing SLA'S Service Level Agreement Loss of cloud data and services Data security Compliance and legal risks Local and international regulations GDPR, HIPAA cost concerns What is a Public Cloud. Benefits, Limitations & Usecases. Lophysical servers, storage, networking etc public cloud are procured and owned by the cloud service. · No setup & maitenance worries Most common L. Anyone can use a public cloud type of cloud Individuals and organisations Microsoft Azure Multi-tenancy Amazon AWS Multiorganisations Manage the cloud services Share cloud resources. and resources using cloud provider web fortal. like water or electricity bills = pay-as-you-go No upfront capex Low visibility and control Limitations compliance and legal risks pay as you go :. No maintenance Bene cost concerns Highly scalable Highly reliable Unlimited scalability Lusecase varying peak demands Fast growing businesses Backup and disaster recovery solutions.

