



Containers Virtualizes the operating system

- -> abstraction at the operating system level
- -> Muttiple 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.
- spend huge amount of money on physical servers, related IT infrastructure specialized IT workforce server rooms or data centers.

setup & server room secured!

configure
the server Servers connect it to

ups & n/w

organizations
faced with a large
initial capital expenditure

(Capax)

antivirus
software
dB
cooling system
server

Maintenance any other dependencies

- · disaster recovery
- · failover system

pay as you go



You will pay for what you use.

cloud resources are metered

Business continuity

any crisis do not result in data loss

Scalability

scale up 12

Never run out of resources.

Accessibility

virtually anywhere and anytime.

Automatic Updates

self service

Increased collaboration

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. physical servers, storage, networking etc are procured and owned by the cloud service. public cloud · No setup & maitenance worries Most common L. Anyone can use a public cloud Individuals and organisations tupe of cloud 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 apfront capex Low visibility and control compliance and legal risks pay as you go :: No maintenance cost concerns Highly scalable Highly reliable Unlimited scalability Luse case) varying peak demands Fast growing businesses Backup and disaster recovery solutions.







