



Cloud Computing

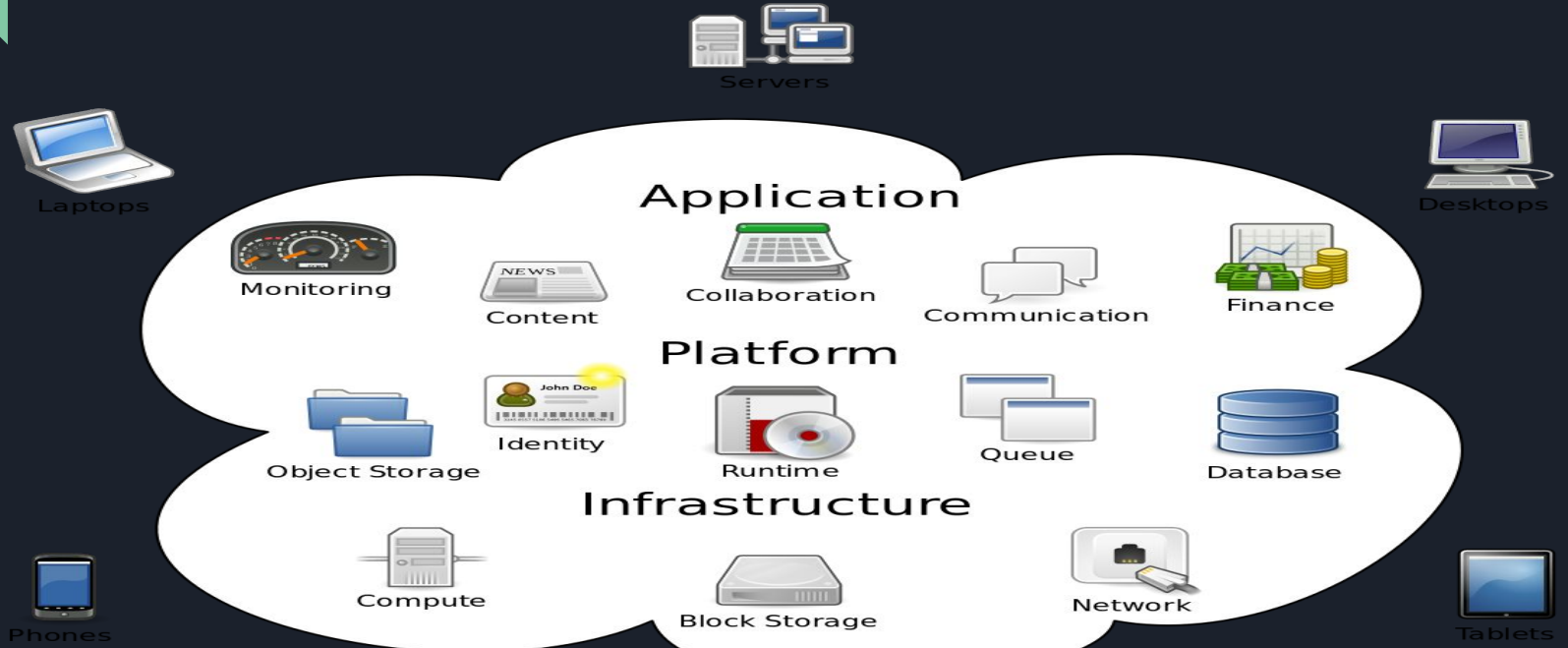
Prepared by -Satyam Mishra



What is Cloud Computing?

Cloud computing is the on-demand delivery of compute power, database storage, applications, and other IT resources through a cloud services platform via the internet with pay-as-you-go pricing.

Cloud Computing...



Cloud computing



How Does Cloud Computing Work?

Cloud computing provides a simple way to access servers, storage, databases and a broad set of application services over the Internet. A Cloud services platform such as Amazon Web Services owns and maintains the network-connected hardware required for these application services, while you provision and use what you need via a web application.



Six Advantages and Benefits of Cloud Computing

Trade capital expense for variable expense

Benefit from massive economies of scale

Stop guessing capacity

Increase speed and agility

Stop spending money on running and maintaining data centers

Go global in minutes

Ref:https://aws.amazon.com/what-is-cloud-computing/?nc1=f_cc



Cloud computing benefits

Self Service Provisioning

Elasticity

Pay per use

Workload resilience

Migration flexibility



Types of cloud computing services

It has been divided into three broad services categories

SAAS(Software as a service)

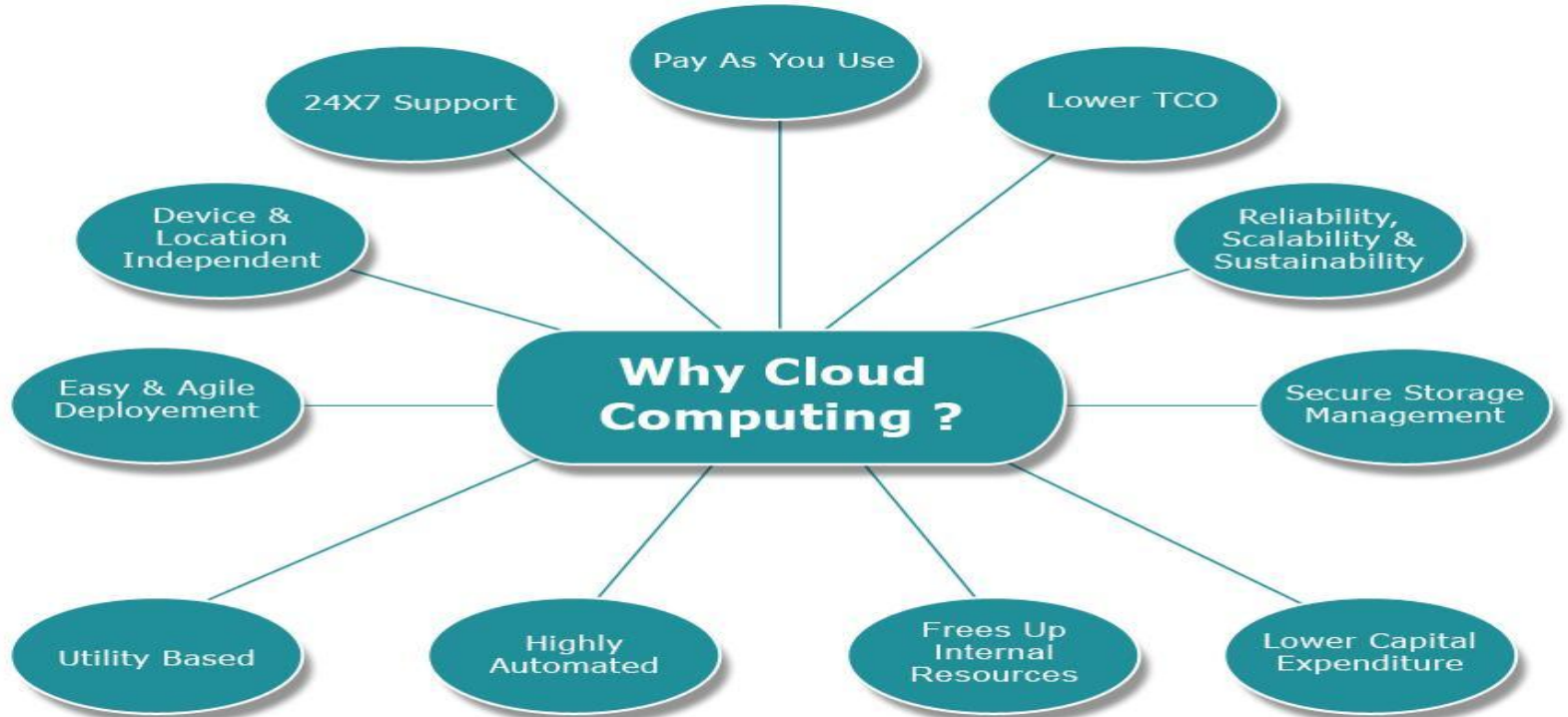
IAAS(Infrastructure as a service)

PAAS(Platform as a service)

Cloud Service Categories



Why Cloud?





Service Providers Of Cloud Computing

AWS (Amazon Web Service)

Microsoft Azure

Google Cloud

Citrix

IBM

Salesforce

CenturyLink



Disadvantage of Cloud computing

Cloud computing system is internet based , so it's fully dependent of internet connection.



Example of cloud

Icloud

Dropbox

Gmail

Youtube

Google Drive

Xdrive

MediaMax



Are cloud storage safe?

Instead of being stored directly on your own personal device (the hard drive on your laptop, for example, or your phone), cloud-based data is stored elsewhere — on servers owned by big companies (Amazon, Microsoft and Google, Dropbox), usually — and is made accessible to you via the internet.

They usually save numerous copies of your data for high durability. AWS Simple Storage services provides 99.999999999 (eleven nines) durability of your files.



Is the cloud storage free?

Yes but limited storage , if you required scaling then you have to pay for it.

AWS : S3-5GB Storage, 20,000 Get Requests & 2,000 Put Requests Free Per Month

Apple iCloud Drive: it comes with 5GB of free cloud storage.

Google Drive: Google gives you 15GB of free space

Thank You

